

**GIS by ESRI™**

# **ArcXML™ Programmer's Reference Guide**

**ArcIMS™ 3**

**ArcGIS™**



Copyright © 2000 Environmental Systems Research, Institute, Inc.

All Rights Reserved.

Printed in the United States of America.

The information contained in this document is the exclusive property of Environmental Systems Research Institute, Inc. This work is protected under United States copyright law and the copyright laws of the given countries of origin and applicable international laws, treaties, and/or conventions. No part of this work may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying or recording, or by any information storage or retrieval system, except as expressly permitted in writing by Environmental Systems Research Institute, Inc. All requests should be sent to Attention: Contracts Manager, Environmental Systems Research Institute, Inc., 380 New York Street, Redlands, CA 92373-8100 USA.

The information contained in this document is subject to change without notice.

#### **U. S. GOVERNMENT RESTRICTED/LIMITED RIGHTS**

Any software, documentation, and/or data delivered hereunder is subject to the terms of the License Agreement. In no event shall the U.S. Government acquire greater than RESTRICTED/LIMITED RIGHTS. At a minimum, use, duplication, or disclosure by the U.S. Government is subject to restrictions as set forth in FAR §52.227-14 Alternates I, II, and III (JUN 1987); FAR §52.227-19 (JUN 1987) and/or FAR § 12.211/12.212 (Commercial Technical Data/Computer Software); and DFARS § 252.227-7015 (NOV 1995) (Technical Data) and/or DFARS § 227.7202 (Computer Software), as applicable. Contractor/Manufacturer is Environmental Systems Research Institute, Inc., 380 New York Street, Redlands, CA 92373-8100 USA.

ESRI, ArcView, MapObjects, PC ARC/INFO, and the ESRI globe logo are trademarks of Environmental Systems Research Institute, Inc., registered in the United States and certain other countries; registration is pending in the European Community. ArcIMS, ArcXML, ArcInfo, ArcSDE, ArcExplorer, GIS by ESRI, and the ArcIMS logo are trademarks and www.esri.com and ArcData are service marks of Environmental Systems Research Institute, Inc. The Microsoft Internet Explorer logo is a trademark of Microsoft Corporation. Other companies and products mentioned herein are trademarks or registered trademarks of their respective trademark owners.

<b>1</b>	<b>INTRODUCTION</b> .....	<b>1</b>
<b>2</b>	<b>CONVENTIONS</b> .....	<b>2</b>
<b>3</b>	<b>ARCXML FRAMEWORK</b> .....	<b>3</b>
	INTRODUCTION .....	3
	MAPSERVICE CONFIGURATION FILES.....	3
	<i>Map PROPERTIES</i> .....	4
	<i>Map WORKSPACES</i> .....	5
	<i>Map LAYER</i> .....	5
	ARCXML REQUESTS AND RESPONSES.....	8
	<i>GET_SERVICE_INFO Request</i> .....	9
	<i>GET_IMAGE Request</i> .....	10
	<i>GET_FEATURES Request</i> .....	12
	<i>GET_GEOCODE Request</i> .....	13
	<i>GET_EXTRACT Request</i> .....	14
	ARCXML MARKUP .....	15
	ARCXML SHAPE MODEL.....	17
	<i>Polygons</i> .....	17
	<i>Polylines</i> .....	17
	<i>Multipoints</i> .....	18
<b>4</b>	<b>ARCXML ROOT TAGS</b> .....	<b>19</b>
	<i>ARCXML</i> .....	19
	<i>CONFIG</i> .....	21
	<i>MARKUP</i> .....	22
	<i>REQUEST</i> .....	24
	<i>RESPONSE</i> .....	25
<b>5</b>	<b>ARCXML SUB TAGS</b> .....	<b>26</b>
	<i>ADDEDFEATURES</i> .....	26
	<i>ADDRESS</i> .....	27
	<i>BACKGROUND</i> .....	28
	<i>BUFFER</i> .....	29
	<i>COORDS</i> .....	31
	<i>DATASET</i> .....	33
	<i>DELETEDFEATURES</i> .....	35
	<i>DRAW</i> .....	36
	<i>ENVELOPE</i> .....	38
	<i>EXTENSION</i> .....	40
	<i>EXTRACT</i> .....	42
	<i>FCLASS</i> .....	43
	<i>FEATURE</i> .....	44
	<i>FEATURECOUNT</i> .....	46
	<i>FEATURES</i> .....	47
	<i>FIELD</i> .....	48
	<i>FIELDS</i> .....	51
	<i>FIELDVALUE</i> .....	53
	<i>GCCOUNT</i> .....	55
	<i>GCFIELD</i> .....	56
	<i>GCINPUT</i> .....	57
	<i>GCSTYLE</i> .....	59
	<i>GCTAG</i> .....	62
	<i>GEOCODE</i> .....	63

GET_EXTRACT.....	64
GET_FEATURES.....	65
GET_GEOCODE.....	67
GET_IMAGE.....	68
GET_SERVICE_INFO.....	69
HOLE.....	70
IMAGE.....	71
IMAGEPROPERTIES.....	72
IMAGESIZE.....	73
LAYER.....	74
LAYERDEF.....	76
LAYERINFO.....	78
LAYERLIST.....	80
LEGEND.....	81
LINE.....	83
MAP.....	85
MAPUNITS.....	86
MARKUPLAYER.....	87
MODIFIEDFEATURES.....	88
MULTIPOINT.....	89
NORTHARROW.....	92
OBJECT.....	94
OUTPUT.....	96
OVERVIEWMAP.....	98
PARTITION.....	99
PATH.....	100
POINT.....	102
POLYGON.....	105
POLYLINE.....	108
PROPERTIES.....	110
QUERY.....	112
RING.....	117
SCALEBAR.....	119
SERVICEINFO.....	121
SPATIALFILTER.....	122
SPATIALQUERY.....	123
SQVAR.....	128
STOREDQUERIES.....	129
STOREDQUERY.....	130
TARGETLAYER.....	131
TEXT.....	132
<b>6 RENDERERS.....</b>	<b>134</b>
INTRODUCTION.....	134
LABEL ATTRIBUTE DESCRIPTIONS.....	135
Attributes for All Feature Types.....	135
Attributes for Labeling Point Features.....	136
Attributes for Labeling Line Features.....	136
Attributes for Labeling Polygon Features.....	137
EXACT.....	138
GROUPRENDERER.....	140
OTHER.....	142
RANGE.....	143
SCALEDEPENDENTRENDERER.....	145
SIMPLELABELRENDERER.....	147
SIMPLERENDERER.....	149

	<i>VALUEMAPLABELRENDERER</i> .....	150
	<i>VALUEMAPRENDERER</i> .....	152
<b>7</b>	<b>SYMBOLS</b> .....	<b>154</b>
	<i>CALLOUTMARKERSYMBOL</i> .....	155
	<i>GRADIENTFILLSYMBOL</i> .....	157
	<i>HASHLINESYMBOL</i> .....	158
	<i>RASTERFILLSYMBOL</i> .....	160
	<i>RASTERMARKERSYMBOL</i> .....	161
	<i>RASTERSHIELDSYMBOL</i> .....	163
	<i>SHIELDSYMBOL</i> .....	165
	<i>SIMPLELINESYMBOL</i> .....	167
	<i>SIMPLEMARKERSYMBOL</i> .....	169
	<i>SIMPLEPOLYGONSYMBOL</i> .....	171
	<i>TEXTMARKERSYMBOL</i> .....	173
	<i>TEXTSYMBOL</i> .....	175
	<i>TRUETYPEMARKERSYMBOL</i> .....	177
<b>8</b>	<b>WORKSPACE TAGS</b> .....	<b>179</b>
	<i>AVIMSWORKSPACE</i> .....	179
	<i>FEATURESERVERWORKSPACE</i> .....	180
	<i>IMAGESERVERWORKSPACE</i> .....	181
	<i>IMAGEWORKSPACE</i> .....	182
	<i>MOIMSWORKSPACE</i> .....	184
	<i>SDEWORKSPACE</i> .....	185
	<i>SHAPEWORKSPACE</i> .....	187
	<i>WORKSPACES</i> .....	188
<b>9</b>	<b>PROJECTION TAGS</b> .....	<b>189</b>
	USING PROJECTION TAGS.....	190
	DEFINING A COORDINATE SYSTEM.....	191
	DATA DENSIFICATION.....	192
	<i>COORDSYS</i> .....	193
	<i>DENSIFY</i> .....	195
	<i>FEATURECOORDSYS</i> .....	196
	<i>FILTERCOORDSYS</i> .....	198
	<i>FILTERDENSIFY</i> .....	200
	<b>APPENDIX A: COORDINATE SYSTEM NAMES AND IDS</b> .....	<b>201</b>
	I.    GEOGRAPHIC COORDINATE SYSTEMS AND ASSOCIATED ID LISTED ALPHABETICALLY.....	201
	II.   PROJECTED COORDINATE SYSTEMS AND ASSOCIATED ID LISTED ALPHABETICALLY .....	204
	III.  IDS AND ASSOCIATED GEOGRAPHIC COORDINATE SYSTEM LISTED NUMERICALLY.....	216
	IV.   IDS AND ASSOCIATED PROJECTED COORDINATE SYSTEM LISTED NUMERICALLY.....	219
	V.    GEOGRAPHIC COORDINATE SYSTEMS FULL DESCRIPTION .....	231
	VI.   PROJECTED COORDINATE SYSTEMS FULL DESCRIPTION .....	249

# 1 Introduction

The Arc eXtensible Markup Language (ArcXML™) format is designed as a protocol for data exchange between different components of the ArcIMS™ 3.0 products. The purpose of this document is to detail ArcXML for applications that need to read, write, or convert this format.

Section 2 outlines the conventions.

Section 3 describes an AXL file and how it is used.

Section 4 contains the ArcXML root tags.

Section 5 lists the ArcXML sub tags.

Section 6 details the Renderer tags.

Section 7 defines the Symbol tags.

Section 8 lists the Workspaces tags.

Section 9 explains projections and lists Projection tags.

Appendix A contains detailed lists of coordinate system names and IDs for use in AXL files.

## 2 Conventions

This document lists each tag available in the ArcXML format. Each tag section covers the attributes of the tag, as well as any sub tags.

- All attributes must be used in AXL files in all lower case.
  - All tags and sub tags must be used in AXL files in all upper case.
  - All quotation mark symbols for attribute values (“ ”) have been dropped for clarity. Case for attribute values doesn't matter when used in AXL files.
  - Known Values in tables are the only values that may be used for that attribute. All known values should be enclosed in quotation marks when used in ArcXML format, as illustrated in the example for each tag.
  - If the Required field in a table is Y (Yes), the parameters cannot be omitted. The XML parser will generate a warning message and the AXL file will be ignored.
  - Occurrences for a sub tag indicates the number of times a sub tag may be used in an AXL file: one or many.
  - System fonts are case sensitive. “Arial” will be recognized; “arial” will not be recognized.
  - In the examples, the directory has been set to <path to data> for the location of data in the WORKSPACES section. The <path to data> needs to be replaced with the actual path name.  
  
On Windows NT: directory="<drive>:\data"  
On UNIX: directory="/data"
- The examples for responses use Windows NT. In a response from a UNIX computer, the path name will look slightly different.
- ArcIMS 3.0 supports ArcXML version 1.0.1 and earlier.

## 3 ArcXML Framework

### **Introduction**

ArcXML provides the framework for ArcIMS communications using a hierarchical system of tags. The purpose of this section is to provide an overview of the relationship between different tags. For more details about a specific tag, refer to the tag descriptions in the following sections. For information on ArcIMS, see *Using ArcIMS*.

In the ArcXML tag hierarchy, the five tags illustrated in Figure 3.1 provide the overall structure. The ARCXML tag is always included in an ArcXML statement. The root sub tags CONFIG, REQUEST, RESPONSE, and MARKUP define the type of ArcXML statement.

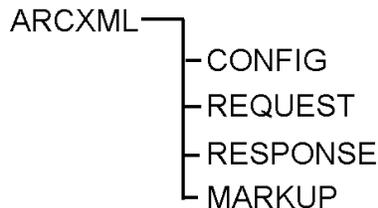


Figure 3.1. The root ArcXML tags

The CONFIG tag is utilized to configure a map by setting properties and defining layers. The REQUEST, RESPONSE, and MARKUP tags are used for communication between different components. All tags employed to make a request from the client to the Spatial Server use the REQUEST tags. RESPONSE tags are used in the response from the Spatial Server. The MARKUP tag describes changes made on the client through the EditNotes tool.

### **MapService configuration files**

The CONFIG tag is used in MapService configuration (AXL) files to set properties and define map layers. These AXL files can be generated and edited using ArcIMS Author and ArcExplorer™ 3—Java™ Edition, or they can be edited using a text or XML editor. These MapService configuration files are the input files for MapServices. There are two types of MapServices: Image and Feature. Image MapServices generate an image on the Spatial Server and pass the image to a client, while data for a Feature MapService is streamed to an ArcIMS Java client. Although the behavior is different, the same MapService configuration file can be used as input for either type of MapService.

The CONFIG tag has three sub tags: MAP, SCALEBAR, and OVERVIEWMAP. The configuration of the map, including information on each layer, is set up inside the MAP tag. The SCALEBAR and OVERVIEWMAP tags are used to configure the scalebar and overview map applets in an ArcIMS Java Custom Viewer or ArcExplorer 3.

In Figure 3.2, the tags for MAP and OVERVIEWMAP are expanded to show their sub tags. OVERVIEWMAP uses LAYERDEF to specify which map layers to display. MAP uses PROPERTIES, WORKSPACES, and LAYER to define the characteristics and data used in a map.

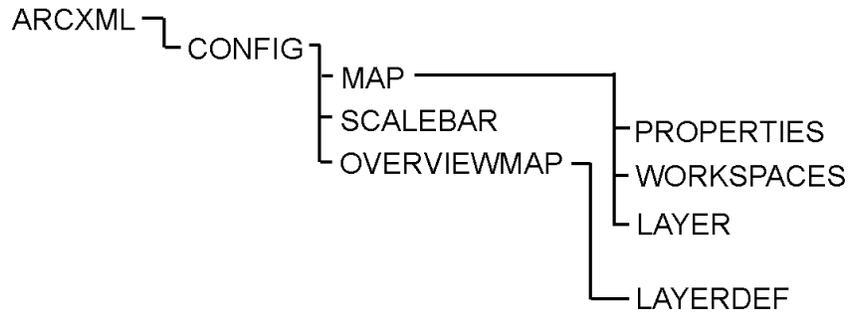


Figure 3.2. Main tags used in MapService configuration files

In the example below, an AXL file uses the CONFIG, MAP, OVERVIEWMAP, and SCALEBAR tags.

```

<?xml version="1.0" encoding="Cp1252"?>
<ARCXML version="1.0.1">
  <CONFIG>
    <MAP>
      <PROPERTIES>
        <ENVELOPE minx="-168.901477" miny="18.924782" maxx="-68.522107" maxy="71.406647"
          name="Initial_Extent" />
        <MAPUNITS units="DECIMAL_DEGREES" />
      </PROPERTIES>
      <WORKSPACES>
        <FEATURESERVERWORKSPACE name="ifs_ws-0"
          url="http://syracuse/servlet/com.esri.esrimap.Esrimap" service="usa" />
      </WORKSPACES>
      <LAYER type="featureclass" name="STATES" visible="true" id="0">
        <DATASET name="0" type="polygon" workspace="ifs_ws-0" />
        <SIMPLERENDERER>
          <SIMPLEPOLYGONSYMBOL fillcolor="227,27,27" filltype="solid" />
        </SIMPLERENDERER>
      </LAYER>
    </MAP>
    <OVERVIEWMAP backgroundcolor="255,255,255" framefillcolor="255,0,0"
      frameoutlinecolor="255,0,0" zoomfactor="4.0">
      <LAYERDEF name="STATES" />
    </OVERVIEWMAP>
    <SCALEBAR backcolor="192,192,192" fontcolor="0,0,0" mapunits="DECIMAL_DEGREES"
      scaleunits="MILES" screenunits="INCHES" />
  </CONFIG>
</ARCXML>

```

## Map PROPERTIES

The PROPERTIES tag describes the general properties of a map. The most common use of the PROPERTIES tag is to set the extent of the map with the ENVELOPE tag. Other properties include mapping units, projection, and background color. Figure 3.3 shows all sub tags of PROPERTIES. For a more detailed description of each tag, refer to the ArcXML Sub Tags and Projection Tags sections.

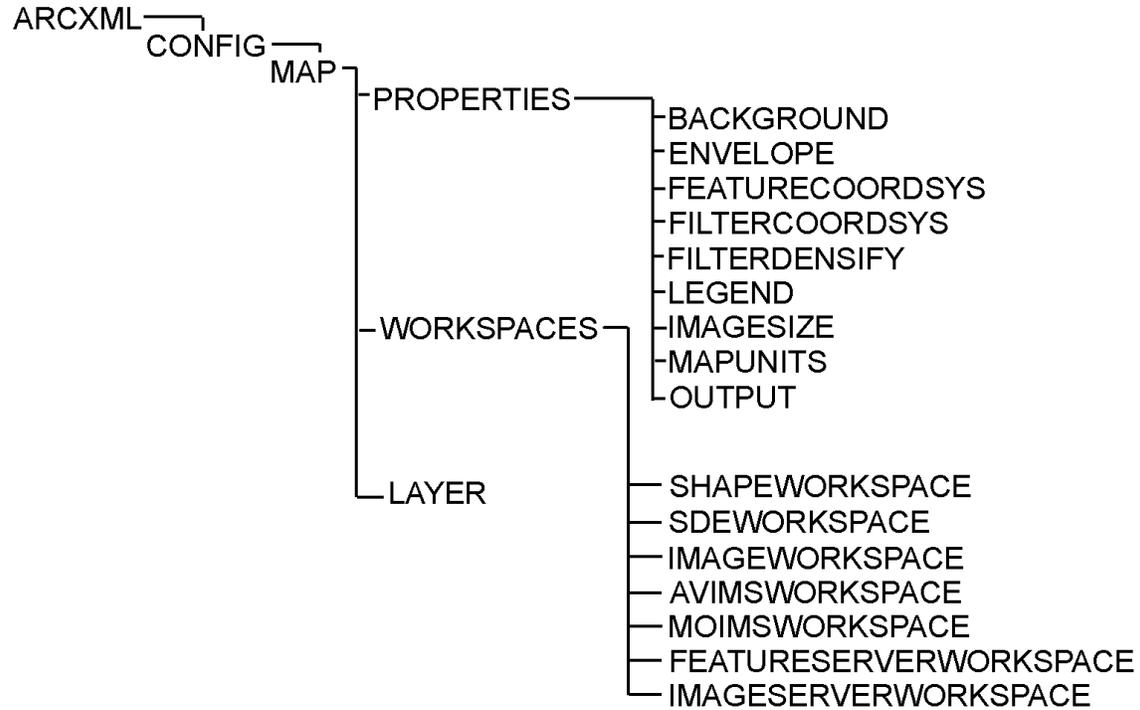


Figure 3.3. Sub tags of PROPERTIES and WORKSPACES inside a MAP tag

### Map WORKSPACES

Figure 3.3 above lists the different WORKSPACES tags. Workspaces supported in ArcIMS are for shapefiles, ArcSDE™ files, image files and ArcIMS MapServices. Other workspaces support ArcView® IMS and MapObjects® IMS services.

A workspace defines the location of the data for map layers. In the case of shapefiles and image files, the workspace defines the directory path. For ArcSDE, the workspace contains information about the database and how to connect to it. MapService workspaces refer to the name and URL of the MapService.

### Map LAYER

The LAYER tag provides the framework for defining how a layer is drawn, how it is constrained through queries, and which extensions are available. LAYER uses several sub tags that are illustrated in Figure 3.4.

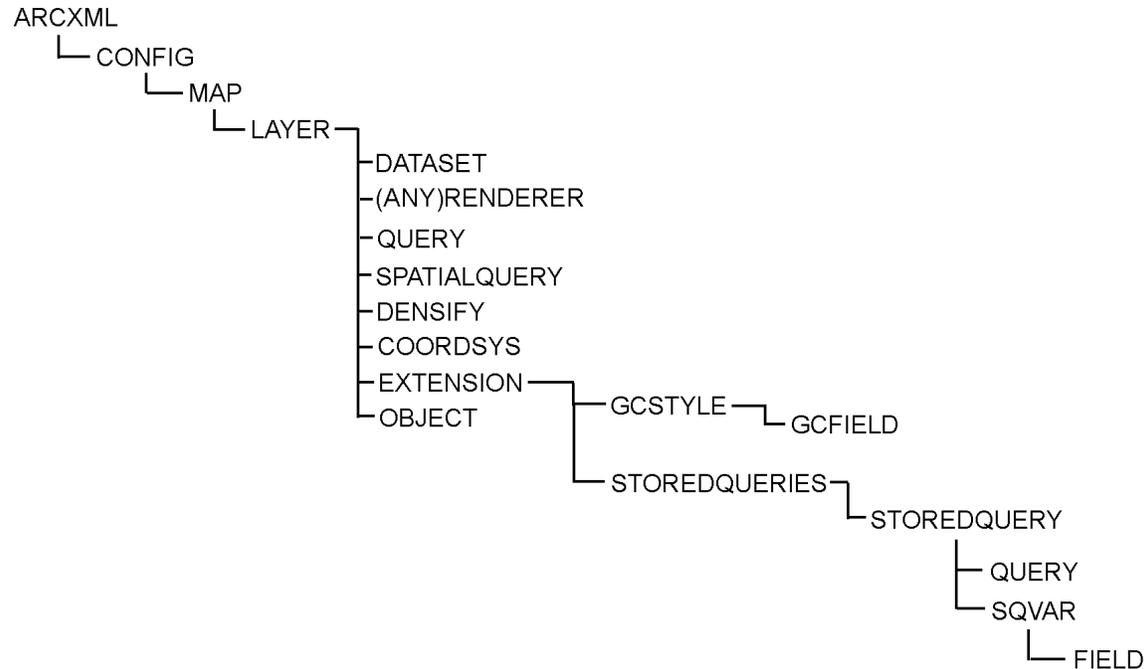


Figure 3.4. LAYER sub tags in MAP

The most commonly used LAYER sub tags are DATASET and the renderers. DATASET defines the name of a shapefile, image, or ArcSDE layer. Where the workspaces define the directory or data source, DATASET specifies an actual file or layer name and a workspace reference.

The renderer tags describe how the layer will be drawn by specifying the symbolization. A wide range of renderers and symbols are available for symbolization and labeling purposes. For a detailed description of renderer and symbol tags, refer to the Renderers and Symbols sections.

Users can specify a query for a layer using the QUERY or SPATIALQUERY tags. This query restricts users accessing the published map to only the data that meets the criteria in the query. For example, a query can control what features are viewed and drawn from the layer, so users can only see those features that are the result of this query. If a client makes a query using the search tool or query builder, results are confined to the restrictions set by the query.

The COORDSYS and DENSIFY tags establish the current projection of a layer. Refer to the Projection Tags section for information on how projections are established and used in ArcIMS.

A layer can have an extension that defines additional information about the layer. Extensions supported for ArcIMS 3.0 are geocoding and stored queries. The geocoding extension sets up the address matching style for a layer. The stored query extension provides a way to set up a pre-defined query. A user only needs to enter one parameter and ArcIMS generates a full SQL statement for processing. For details on the extension tags, refer to the ArcXML Sub Tags section.

### Acetate Layers

Acetate layers are defined using the OBJECT tag. Acetate layers are used to add graphics in a layer separate from the data layers. ArcIMS permits simple graphic objects such as points, lines, polygons, and text to be added to the acetate layers. Symbols can be assigned to these tags to control how the objects are drawn. The Spatial Server can also produce images for a scalebar and a north arrow based on user settings added to the acetate layers. Figure 3.5 lists tags used for acetate objects. For details on OBJECT tags, refer to the ArcXML Sub Tags section.

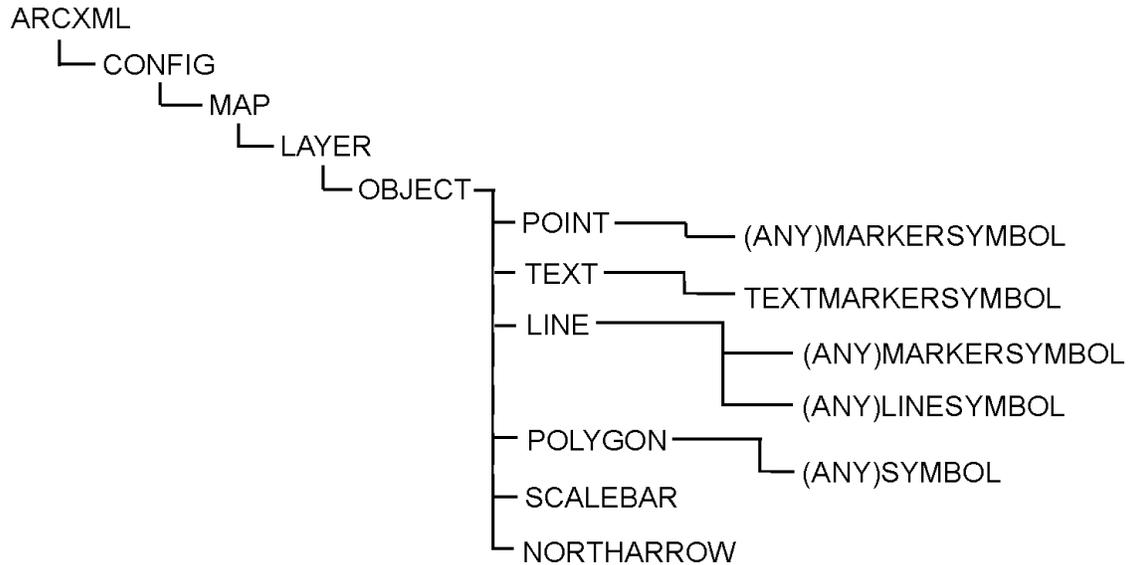


Figure 3.5. Acetate layer tags

In the following example, the LAYER tags are highlighted. One shapefile layer named “Streets” is in the example. Since a shapefile is used, the type of the layer is featureclass. Other featureclasses are image and acetate. DATASET refers to the shapefile name and the workspace reference. Two extensions are used for this layer. The geocode EXTENSION contains the style and the fields used to create the geocoding index for the layer. The storedquery EXTENSION defines the query. The sub tag SQVAR contains the variable definition.

Three acetate layers for placing north arrow, text, and marker point objects are also defined in the example.

```

<?xml version="1.0" encoding="Cp1252"?>

<ARCXML version="1.0.1">
  <CONFIG>
    <MAP>
      <PROPERTIES>
        <ENVELOPE minx="-71.077092" miny="42.357962" maxx="-71.034511" maxy="42.385263"
          name="Initial_Extent" />
        <MAPUNITS units="DECIMAL_DEGREES" />
      </PROPERTIES>

      <WORKSPACES>
        <SHAPEWORKSPACE name="shp_ws-64" directory="F:\Data\Boston" />
      </WORKSPACES>

      <LAYER type="featureclass" name="Streets" visible="true" id="4">
        <DATASET name="streets" type="line" workspace="shp_ws-64" />
        <SIMPLERENDERER>
          <SIMPLELINESYMBOL type="solid" width="2" color="255,0,0" />
        </SIMPLERENDERER>

        <EXTENSION type="Geocode">
          <GCSTYLE name="USAddressZ">
            <GCFIELD id="FromLeft" name="L_F_ADD" />
            <GCFIELD id="FromRight" name="R_F_ADD" />
            <GCFIELD id="ToLeft" name="L_T_ADD" />
            <GCFIELD id="ToRight" name="R_T_ADD" />
            <GCFIELD id="PreDir" name="PREFIX" />
          </GCSTYLE>
        </EXTENSION>
      </LAYER>
    </MAP>
  </CONFIG>
</ARCXML>

```

```
<GCFIELD id="PreType" name="PRE_TYPE" />
<GCFIELD id="StreetName" name="NAME" />
<GCFIELD id="StreetType" name="TYPE" />
<GCFIELD id="SufDir" name="SUFFIX" />
<GCFIELD id="LeftZone" name="ZIPL" />
<GCFIELD id="RightZone" name="ZIPR" />
</GCSTYLE>
</EXTENSION>

<EXTENSION type="StoredQuery">
  <STOREDQUERIES>
    <STOREDQUERY name="Streets">
      <QUERY where=" NAME = &apos;[%var%]&apos;" subfields="#SHAPE# L_F_ADD
L_T_ADD R_F_ADD R_T_ADD PREFIX PRE_TYPE NAME TYPE SUFFIX ZIPL ZIPR CITYL
CITYR STATE_ABBR CFCC ROAD_TYPE" />
      <SQVAR position="0" name="[%var%]">
        <FIELD name="NAME" precision="0" type="12" size="32" />
      </SQVAR>
    </STOREDQUERY>
  </STOREDQUERIES>
</EXTENSION>

</LAYER>

<LAYER type="acetate" name="northarrow" visible="true">
  <OBJECT units="pixel">
    <NORTHARROW type="4" size="15" coord="20,30" shadow="32,32,32" angle="90"
antialiasing="True" overlap="False" />
  </OBJECT>
</LAYER>

<LAYER type="acetate" name="acetatetext">
  <OBJECT units="pixel">
    <TEXT coord="100,100" label="This is the copyright">
      <TEXTMARKERSYMBOL font="Arial" />
    </TEXT>
  </OBJECT>
</LAYER>

<LAYER type="acetate" name="Selectedmark">
  <OBJECT units="pixel">
    <POINT coord="250,300">
      <SIMPLEMARKERSYMBOL color="0,0,0" />
    </POINT>
  </OBJECT>
</LAYER>

</MAP>
</CONFIG>
</ARCXML>
```

## ***ArcXML Requests and Responses***

Communication with ArcIMS occurs when a client makes a request to a MapService running on the ArcIMS Spatial Server. The request queries the MapService. Example queries include asking for a new map at a different scale, returning the attribute information for a feature, changing the rendering of a layer, adding an acetate layer, or turning layers on and off. Using an ArcIMS Java Viewer, a request can be made to stream data to the client. The Spatial Server responds by sending a response to the client with the requested information.

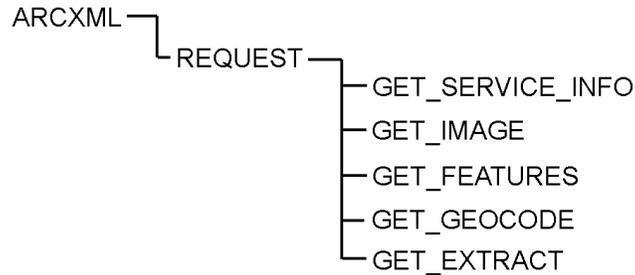


Figure 3.6. REQUEST tags

REQUEST and RESPONSE use some of the same tags as CONFIG, but sometimes these tags behave differently. As shown in Figure 3.6, ArcXML can support five types of requests. Each request has a paired response tag.

1. GET\_SERVICE\_INFO is used to request catalog information about a MapService. SERVICEINFO is the response.
2. GET\_IMAGE is used to request a map image. IMAGE is the response.
3. GET\_FEATURES is used to request values and attributes of a feature. FEATURES is the response.
4. GET\_GEOCODE is used for addressing matching. GEOCODE is the response.
5. GET\_EXTRACT is used to extract features to be downloaded to the client. EXTRACT is the response.

When a request is made, it is sent to one of the Virtual Servers on the Spatial Server:

- Image Server—Renders maps on the server and sends them to the client as JPEG, GIF, or PNG images.
- Feature Server/Query Server—Streams requested vector data to the client and handles data queries.
- Geocode Server—Provides Geocoding support.
- Extract Server—Extracts data that can be downloaded by the client.

Each request and response can only be used with one server type. The exception is GET\_SERVICE\_INFO that is used with any server. See *Using ArcIMS* for information on ArcIMS Virtual Servers.

### **GET\_SERVICE\_INFO Request**

The GET\_SERVICE\_INFO tag is used to request information about each layer in a MapService. The request has options for returning information on the fields, envelope, extensions, and renderers.

In the SERVICEINFO response, the tag contains LAYERINFO tags for each layer in the MapService. The tags and information conveyed for each layer in LAYERINFO differ if the layer data source is an image or vector file. If the layer data source is an image such as TIFF, only ENVELOPE information is returned in the response. If the layer is a feature data source like a shapefile, additional information is returned such as the type of feature, feature geometry, rendering and symbolization, and extension.

Figure 3.7 illustrates the sub tags for GET\_SERVICE\_INFO and SERVICEINFO. For details on these tags, refer to the ArcXML Sub Tags section.

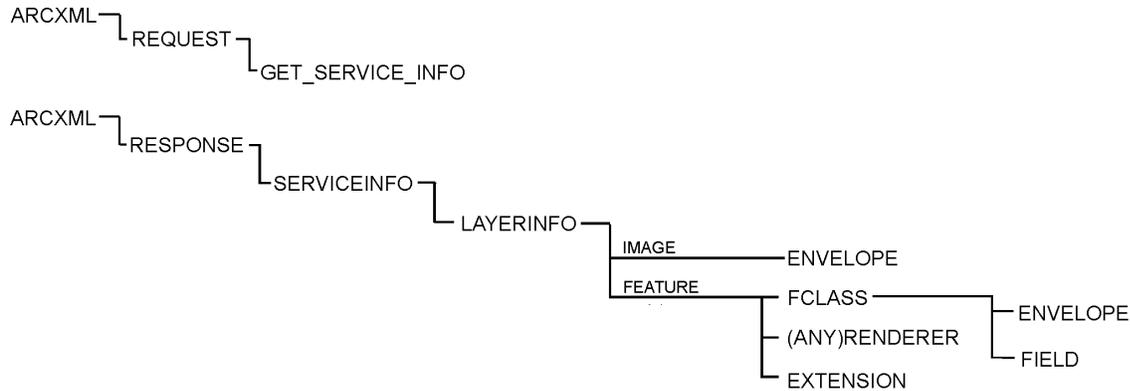


Figure 3.7. GET\_SERVICE\_INFO request and its response

In the example below, a GET\_SERVICE\_INFO request is sent to a MapService with a shapefile layer. The response is also shown. Information is requested on the fields, envelope, extensions, and renderers. The FIELD tag describes the layer's attributes. The renderer defines how the feature is drawn. Information on the geocode style is also included.

**Request:**

```

<?xml version="1.0">
<ARXML version="1.0">
<REQUEST>
<GET_SERVICE_INFO fields="true" envelope="true" extension="true" renderer="true"/>
</REQUEST>
</ARXML>

```

**Response:**

```

<?xml version="1.0"?>
<ARXML version="1.0">
<RESPONSE>
<SERVICEINFO>
  <LAYERINFO type="featureclass" visible="true" name="REDLANDS.STREET">
<FCLASS type="line">
  <ENVELOPE minx="-166" miny="36" maxx="-81" maxy="70" />
  <FIELD name="BUS_FID" type="-98" size="10" precision="0" />
  <FIELD name="SE_ROW_ID" type="-99" size="16" precision="0" />
  <FIELD name="ESRI_ID" type="12" size="32" precision="0" />
  <FIELD name="CFCC" type="12" size="3" precision="0" />
</FCLASS>
<SIMPLERENDERER >
  <SIMPLELINESYMBOL type="solid" width="1" />
</SIMPLERENDERER>
<EXTENSION type="geocode">
  <GCSTYLE name="USAddressZ" />
</EXTENSION>
  </LAYERINFO>
</SERVICEINFO>
</RESPONSE>
</ARXML>

```

**GET\_IMAGE Request**

Requests for images to the ArcIMS Image Server use GET\_IMAGE. The sub tags for GET\_IMAGE include PROPERTIES, WORKSPACES, and LAYER. Using these tags, settings such as background, extent used, image size, a list of layers for the map, map units, and the coordinate system for the map image can be specified.

The IMAGE response returns information on the location and name of the generated map.

Figure 3.8 lists the tags used for the GET\_IMAGE request and the IMAGE response generated by the Spatial Server. For a more detailed description of these tags and sub tags, refer to the ArcXML Sub Tags, Workspace Tags, and Projection Tags sections.

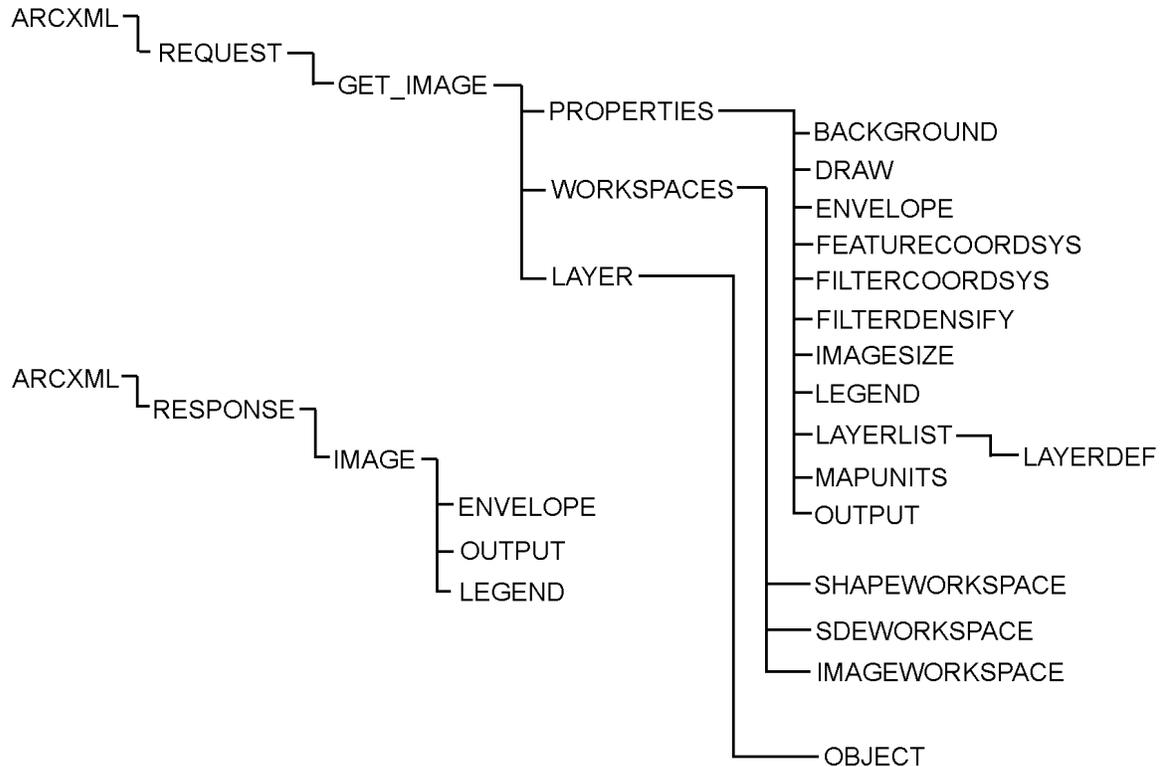


Figure 3.8. GET\_IMAGE request and its' response

The GET\_IMAGE request is an example of a request that overrides the original settings in a MapService. In the example below, a request is made for a map with a new envelope. This request overrides the original envelope in the MapService. Most tags in an AXL file can be overridden. The only exceptions are DATASET attributes, the LAYER minimum and maximum scale attributes, and any queries that are defined in the MapService.

In the example below, the request changes the envelope and makes the renderer a TRUETYPEMARKERSYMBOL. The response points to the place where the image is located.

**Request:**

```

<ARCXML version="1.0">
  <REQUEST>
    <GET_IMAGE>

      <PROPERTIES>

        <LAYERLIST>
          <LAYERDEF name="Cities" type="point">
            <SIMPLERENDERER>
              <TRUETYPEMARKERSYMBOL angle="270" size="16" glowing=255,255,0"
font="ESRI Transportation & Municipal" character="45" color="0,0,0" />
            </SIMPLERENDERER>
          </LAYERDEF>
        </LAYERLIST>
      </GET_IMAGE>
    </REQUEST>
  </ARCXML>
  
```

```

<ENVELOPE minx="-180" miny="-90" maxx="180" maxy="90" />

<IMAGESIZE width="500" height="400" />

</PROPERTIES>

</GET_IMAGE>
</REQUEST>
</ARCXML>

```

**Response:**

```

<ARCXML version="1.0">
  <RESPONSE>
    <IMAGE>
      <ENVELOPE minx="-130.000" miny="24.688" maxx="-110.000" maxy="40.311" />
      <OUTPUT file="c:\ArcIMS\Output\World_ARCIMS19833023.gif"
        url="http://maps.esri.com/maps/World_ARCIMS19833023.gif" />
    </IMAGE>
  </RESPONSE>
</ARCXML>

```

**GET\_FEATURES Request**

Requests sent to the ArcIMS Spatial Server using the GET\_FEATURES tag are directed to both the Feature and Query Servers. GET\_FEATURES is a flexible request that can return rendering information about a layer, the attribute results of a query, or both in the same response.

Data can be retrieved in several formats using GET\_FEATURES. The default response from the Spatial Server is a binary compressed feature stream format that can be interpreted by the ArcIMS Java Viewers. A response can also be sent in an XML format by setting the attribute "outputmode". When geometry is requested, another attribute called "compact" can be used to send the data back in compact or non-compact formats.

The GET\_FEATURES request can query only one layer at a time. Queries sent in this request use either the QUERY tag which is a query using an SQL statement or the SPATIALQUERY tag which uses SPATIALFILTER. A SPATIALFILTER can be an envelope, multipoint, polyline, or polygon. Buffers can also be employed as part of the spatial query. Figure 3.9 illustrates the tags available for a GET\_FEATURES request.

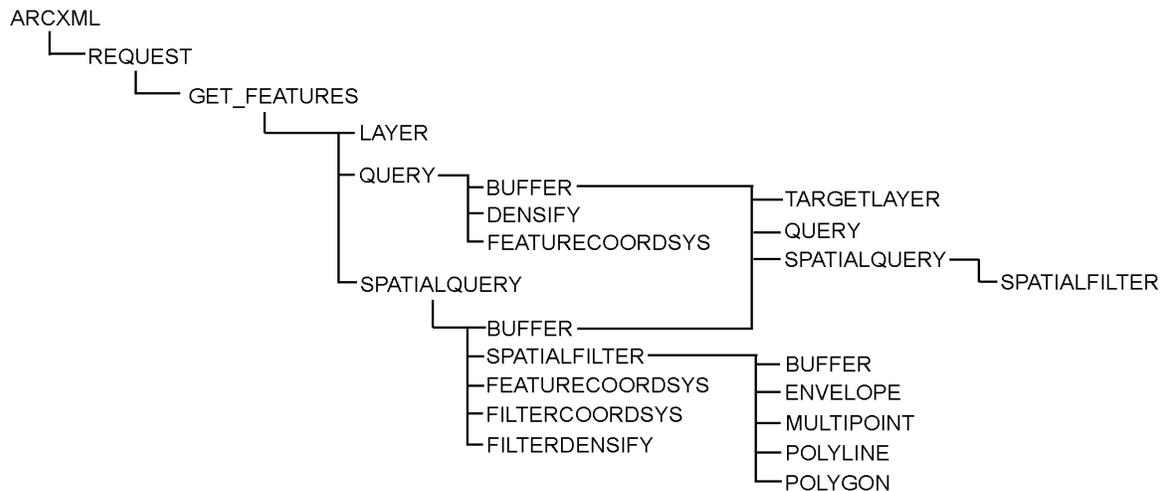


Figure 3.9. GET\_FEATURES request

The FEATURES response contains a list of fields for each feature based on the sub fields specified in the query. If the field is a shape field, it will contain geometry. The geometry is sent back in a compact or non-compact format based on the request. Figure 3.10 details the FEATURES tag and sub tags. For details descriptions of GET\_FEATURES and FEATURES tags and sub tags, refer to the ArcXML Sub Tags and Projection Tags sections.

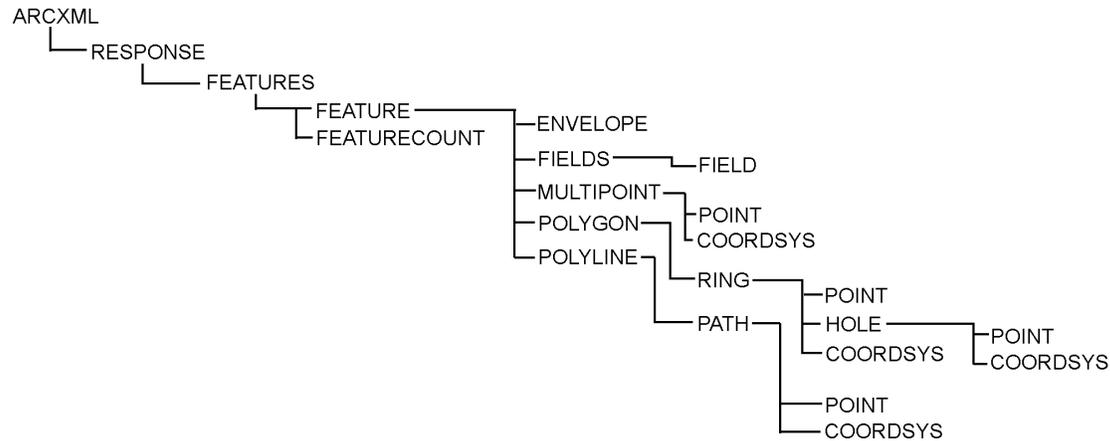


Figure 3.10. Response for a GET\_FEATURES request

The following example shows a GET\_FEATURES request and its response for Identify. Notice how only the data is returned, but no geometry since that option is set to “false”.

#### Request:

```

<ARCXML version="1.0.1">
  <REQUEST>
    <GET_FEATURES outputmode="xml" envelope="false" geometry="false">
      <LAYER id="4" />
      <SPATIALQUERY subfields="#ALL#">
        <SPATIALFILTER relation="area_intersection">
          <ENVELOPE minx="60" miny="20" maxx="57" maxy="18" />
        </SPATIALFILTER>
      </SPATIALQUERY>
    </GET_FEATURES>
  </REQUEST>
</ARCXML>

```

#### Response:

```

<ARCXML version="1.0">
  <RESPONSE>
    <FEATURES>
      <FEATURE>
        <FIELDS NAME="Stockholm" COUNTRY="Sweden" POPULATION="1449972" CAPITAL="Y" #SHAPE#="
[Geometry]" #ID#="571" />
      </FEATURE>
    </FEATURES>
  </RESPONSE>
</ARCXML>

```

## GET\_GEOCODE Request

Requests for geocoding an address using the GET\_GEOCODE tag are sent to the Geocode Server. The request contains the layer to geocode and the address that is needed. The response returns the resulting list of candidates and the corresponding points. Figure 3.11 lists the sub tags for a Geocode request and response. For a more detailed description of the GET\_GEOCODE and GEOCODE tags and sub tags, refer to the ArcXML Sub Tags section.

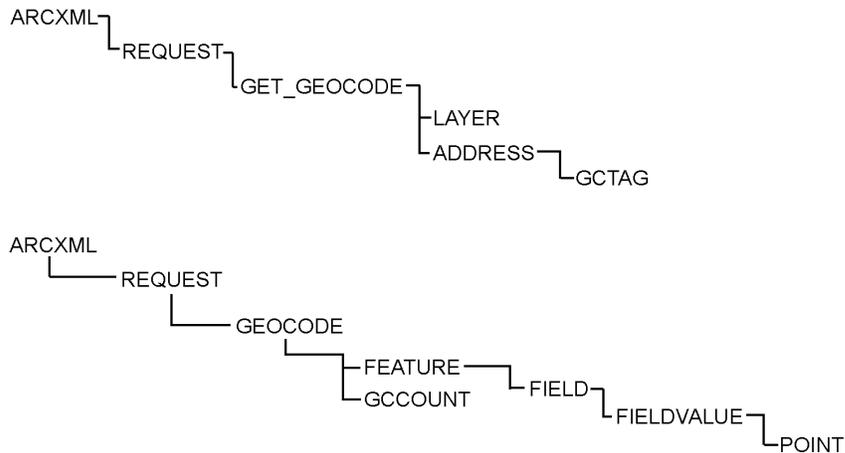


Figure 3.11. Geocode request and response

In the following example, a geocode request is constructed based on the input of the geocode style that was returned in the response to a GET\_SERVICE\_INFO request. The response returns the score, address, and location.

**Request:**

```

<ARCXML version="1.0.1">
  <REQUEST>
    <GET_GEOCODE maxcandidates="25" minscore="60">
      <LAYER id="streets" />
      <ADDRESS>
        <GCTAG id="STREET" value="380 New York St" />
        <GCTAG id="Zip" value="92373" />
        <GCTAG id="CrossStreet" value="" />
      </ADDRESS>
    </GET_GEOCODE>
  </REQUEST>
</ARCXML>

```

**Response:**

```

<ARCXML version="1.0">
  <RESPONSE>
    <GEOCODE>
      <FEATURE featureid="1">
        <FIELD type="4" name="SCORE" size="5" precision="0">
          <FIELDVALUE valuelstring="100" />
        </FIELD>
        <FIELD type="12" name="ADDRESSFOUND" size="21" precision="0">
          <FIELDVALUE valuelstring="380 NEW YORK ST 92373" />
        </FIELD>
        <FIELD type="-98" name="SHAPEFIELD">
          <FIELDVALUE>
            <POINT x="-117.19496116" y="34.05777355" />
          </FIELDVALUE>
        </FIELD>
      </FEATURE>
      <GCCOUNT count="1" />
    </GEOCODE>
  </RESPONSE>
</ARCXML>

```

**GET\_EXTRACT Request**

Requests to the ArcIMS Spatial Server for extracting data using a GET\_EXTRACT request are sent to the Extract Server. The Extract Server extracts layers into shapefiles that are ready for download to the client.

The EXTRACT response returns information on the name and location of the extracted file. For instructions on using the Extract Server, refer to the online help System Administration 'Extract Server' section. Figure 3.12 lists the sub tags available for GET\_EXTRACT and EXTRACT tags and sub tags. For a more detailed description of these tags and sub tags, refer to the ArcXML Sub Tags and Projection Tags sections.

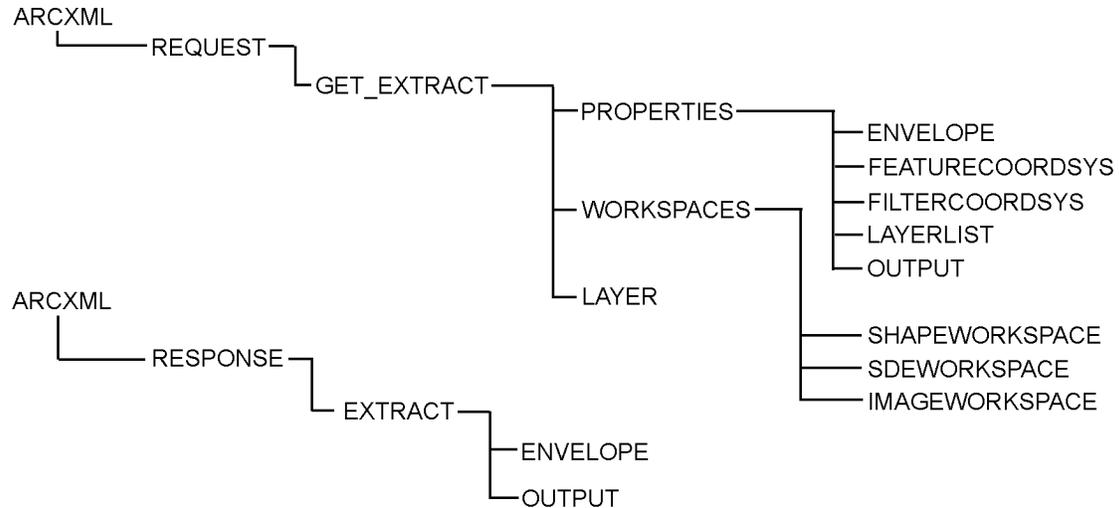


Figure 3.12. Extract request and response

### ArcXML MARKUP

The MARKUP tag describes changes made by the client through the EditNotes tool. This tool is available through the ArcIMS Java Viewers and only works with Feature MapServices. A user can do simple edits to the feature layers and submit them back to the Spatial Server. Refer to *Using ArcIMS* for information on using the EditNotes tool. When a session is submitted, the information is accessible in either shapefile or ArcXML format.

MARKUP has three sub tags: ADDEDFEATURES, MODIFIEDFEATURES, and DELETEDFEATURES. The information collected by each of these tags includes a feature ID, the envelope, and the field values using the FEATURE sub tag. Some FEATURE tags can be used in CONFIG, REQUEST, or RESPONSE, but they have a different meaning when used in the MARKUP context. For details on the MARKUP tag and its' sub tags, refer to the ArcXML Root Tags, ArcXML Sub Tags, and Projection Tags sections.

Figure 3.13 describes the tags in a MARKUP ArcXML report.

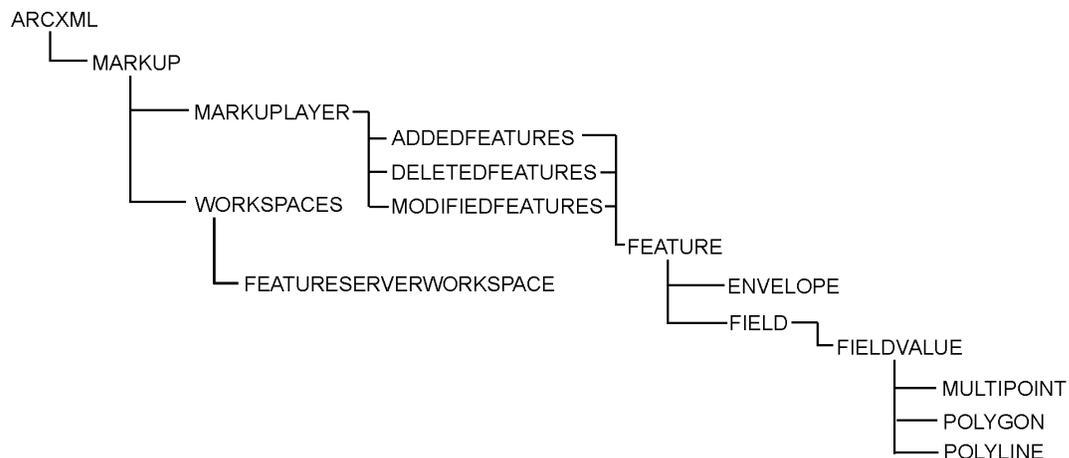


Figure 3.13. MARKUP tags

The following example shows a Markup report. The WORKSPACES tag contains information about the Feature MapService used as the source. The MARKUPLAYER tag describes the layer that was edited. Information about features added is under the ADDEDFEATURES tag. Similarly, the report contains the deleted features under the DELETEDFEATURES tag and the modified features under the MODIFIEDFEATURES tag. In this example, one feature was deleted and two were modified.

```
<?xml version="1.0"?>
<MARKUP>
  <WORKSPACES>
    <FEATURESERVERWORKSPACE name="ifs_ws-20"
url="http://zephyr/servlet/com.esri.esrimap.Esrimap" service="world" />
  </WORKSPACES>
  <MARKUPLAYER layername="CNTRY94" workspace="ifs_ws-20">
    <DELETEDFEATURES deletedFeatures="1">
      <FEATURE featureid="122">
        <ENVELOPE minx="-73.6" miny="-33.8" maxx="-34.6" maxy="5.1" />
        <FIELD name="AREA" precision="3" size="12" type="8">
          <FIELDVALUE valuestring="3251214.289" />
        </FIELD>
        <FIELD name="NAME" precision="0" size="40" type="12">
          <FIELDVALUE valuestring="Brazil" />
        </FIELD>
        <FIELD name="#SHAPE#" precision="0" size="0" type="-98">
          <FIELDVALUE>
            <POLYGON>
              <RING>
                <POINT x="-54.37604456824513" y="-25.721448467966574" />
                . . .
                <POINT x="-54.37604456824513" y="-25.721448467966574" />
              </RING>
            </POLYGON>
          </FIELDVALUE>
        </FIELD>
      </FEATURE>
    </DELETEDFEATURES>
    <MODIFIEDFEATURES>
      <FEATURE featureid="160">
        <ENVELOPE minx="-23.2" miny="-79.3" maxx="65.1" maxy="-37.8" />
        <FIELD name="AREA" precision="3" size="12" type="8">
          <FIELDVALUE valuestring="3702824.291" />
        </FIELD>
        <FIELD name="NAME" precision="0" size="40" type="12">
          <FIELDVALUE valuestring="Canada" />
        </FIELD>
        <FIELD name="#SHAPE#" precision="0" size="0" type="-98">
          <FIELDVALUE>
            <POLYGON>
              <RING>
                <POINT x="-14.729634313824391" y="-67.75687649847535" />
                . . .
                <POINT x="-14.729634313824391" y="-67.75687649847535" />
              </RING>
            </POLYGON>
          </FIELDVALUE>
        </FIELD>
      </FEATURE>
      <FEATURE featureid="1000001">
        <ENVELOPE minx="79.7" miny="-59.0" maxx="113.9" maxy="-42.4" />
        <FIELD name="AREA" precision="3" size="12" type="8">
          <FIELDVALUE valuestring="10202" />
        </FIELD>
        <FIELD name="NAME" precision="0" size="40" type="12">
          <FIELDVALUE valuestring="Atlantis" />
        </FIELD>
        <FIELD name="#SHAPE#" precision="0" size="0" type="-98">
          <FIELDVALUE>

```

```
<POLYGON>
  <RING>
    <POINT x="85.61944739721136" y="-42.43367913036056" />
    <POINT x="113.93068023991125" y="-46.33867676383642" />
    <POINT x="80.25007565118213" y="-55.12492143915705" />
    <POINT x="85.61944739721136" y="-42.43367913036056" />
  </RING>
</POLYGON>
</FIELDVALUE>
</FIELD>
</FEATURE>
</MODIFIEDFEATURES>
</MARKUPLAYER>
</MARKUP>
```

## ArcXML Shape Model

ArcXML tags can be used to describe the geometry of a feature. The three tags used to describe features are POLYGON, POLYLINE, and MULTIPOINT. Information about these features can be written in a compressed “short” format or a non-compact “long” format. For information about how to set up the format, see the GET\_FEATURES tag in the ArcXML Sub Tags section. The points that comprise a feature are in the same map units as in the MAPUNITS sub tag of the PROPERTIES tag. Users can request that features be returned in different coordinates from the original data using the projection tags as described in the Projection Tags section.

## Polygons

Polygons are represented through the rings that form them. Rings can contain holes.

This is an example of a polygon that is made of a ring with a hole, represented in the non-compact “long” format:

```
<POLYGON>
  <RING>
    <POINT x="-133.15605550814075" y="78.07185101549165" />
    <POINT x="-131.09942196116728" y="74.70645066589869" />
    <POINT x="-128.1079549837513" y="76.38915084069517" />
    <POINT x="-128.1079549837513" y="76.38915084069517" />
    <POINT x="-133.15605550814075" y="78.07185101549165" />
  <HOLE>
    <POINT x="-135.15605550814075" y="75.07185101549165" />
    <POINT x="-137.09942196116728" y="72.70645066589869" />
    <POINT x="-130.1079549837513" y="79.38915084069517" />
  </HOLE>
</RING>
</POLYGON>
```

If a Polygon is represented in its compressed “short” format, it looks like this:

```
<POLYGON>
  <RING>
    <COORDS>-133.15605550814075,78.07185101549165,-
    131.09942196116728,74.70645066589869,-
    128.1079549837513,76.38915084069517,-128.1079549837513,76.38915084069517,-
    133.15605550814075,78.07185101549165</COORDS>
  </RING>
</POLYGON>
```

## Polylines

Polylines are represented in terms of their paths. A representation of a polyline in the non-compact “long” format follows:

```
<POLYLINE>
  <PATH>
    <POINT x="-128.1079549837513" y="81.99815142335011" />
    <POINT x="-123.99468788980437" y="77.88488432940315" />
    <POINT x="-123.99468788980437" y="77.88488432940315" />
  </PATH>
```

```
</PATH>  
</POLYLINE>
```

The same polyline is shown in the compressed "short" format:

```
<POLYLINE>  
  <PATH>  
    <COORDS> -128.1079549837513, 81.99815142335011,  
    -123.99468788980437, 77.88488432940315,  
    -123.99468788980437, 77.88488432940315</COORDS>  
  </PATH>  
</POLYLINE>
```

## Multipoints

Multipoint can contain one or more points. Here it is represented in the non-compact "long" format:

```
<MULTIPOINT>  
  <POINT x="-128.1079549837513" y="81.99815142335011" />  
  <POINT x="-123.99468788980437" y="77.88488432940315" />  
  <POINT x="-123.99468788980437" y="77.88488432940315" />  
</MULTIPOINT>
```

Here multipoint is represented in the compressed "short" format:

```
<MULTIPOINT>  
  <COORDS>-128.1079549837513, 81.99815142335011,  
  -123.99468788980437, 77.88488432940315,  
  -123.99468788980437, 77.88488432940315 </COORDS>  
</MULTIPOINT>
```

This section summarizes the relationships between the various ArcXML tags. As explained, ArcXML has four root tags: CONFIG, REQUEST, RESPONSE, and MARKUP. CONFIG tags represent the map configuration. REQUEST tags are used to make a request to the Spatial Server. RESPONSE tags are employed to show response values. MARKUP tags show simple edits that users have made via the Intranet or Internet using the EditNotes tool. The following sections describe each tag in detail.

## 4 ArcXML Root Tags

### ARCXML

**Tag Name:** ARCXML

**Used in:** Root

**Parent Tags:** None

#### Attributes:

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
version	Y	string	N/A	1.0 or 1.0.1	Specifies version format that ArcXML complies with

#### Sub Tags:

Name	Required	Occurrences	Notes
CONFIG	N	one	Used as a file to publish MapService
MARKUP	N	one	Used to create an EditNotes report of session activity
REQUEST	N	one	Used to send a request to ArcIMS Server
RESPONSE	N	one	Used to send a response from an ArcIMS Server

One sub tag must be defined; only one is permitted.

#### Purpose:

The root tag for all ArcXML strings.

#### Restrictions:

None

#### Notes

All ArcXML strings must start with the standard header, such as:

```
<?xml version="1.0" encoding="Cp1252"?>
```

#### Example:

1) When in CONFIG:

```
<?xml version="1.0" encoding="Cp1252"?>
<ARCXML version="1.0.1">
  <CONFIG>
    <MAP>
      <PROPERTIES>
        <ENVELOPE minx="-105.594842" miny="-49.955227" maxx="75.672764"
          maxy="83.596039" name="Initial_Extent" />
        <MAPUNITS units="DECIMAL_DEGREES" />
      </PROPERTIES>

      <WORKSPACES>
        <SHAPEWORKSPACE name="shp_ws-0" directory="<path to data>" />/>
      </WORKSPACES>

      <LAYER type="featureclass" name="CITIES" visible="true" id="2">
        <DATASET name="CITIES" type="point" workspace="shp_ws-0" />
        <SIMPLERENDERER>
          <SIMPLEMARKERSYMBOL type="square" width="5" />
        </SIMPLERENDERER>
      </LAYER>
    </MAP>
  </CONFIG>
</ARCXML>
```

2) When in REQUEST:

```
<ARCXML version="1.0">  
  <REQUEST>  
    <GET_IMAGE>  
      <PROPERTIES>  
        <ENVELOPE minx="-180" miny="-90" maxx="180" maxy="90" />  
      </PROPERTIES>  
    </GET_IMAGE>  
  </REQUEST>  
</ARCXML>
```

3) When in RESPONSE:

```
<?xml version="1.0"?>  
  < ARCXML version="1.0">  
    < RESPONSE>  
      < IMAGE>  
        < ENVELOPE minx="-80.00000000" miny="-56.00000000"  
          maxx="80.00000000" maxy="56.00000000" />  
        < OUTPUT file="F:\WorldMap_bytebait16114829.jpg"  
          url="http://rsa2/maps/WorldMap_bytebait16114829.jpg" />  
      </IMAGE>  
    </RESPONSE>  
  </ARCXML>
```

**CONFIG****Tag Name:** CONFIG**Used in:** CONFIG**Parent Tags:** ARCXML**Attributes:** None**Sub Tags:**

Name	Required	Occurrences	Notes
MAP	Y	one	
OVERVIEWMAP	N	one	
SCALEBAR	N	one	

**Purpose :**

The main tag for defining a MapService's configuration.

**Restrictions:**

None

**Notes**

None

**Example:**

```
<?xml version="1.0" encoding="Cp1252"?>
<ARCXML version="1.0.1">
  <CONFIG>
    <MAP>
      <PROPERTIES>
        <ENVELOPE minx="-105.594842" miny="-49.955227" maxx="75.672764"
          maxy="83.596039" name="Initial_Extent" />
        <MAPUNITS units="DECIMAL_DEGREES" />
      </PROPERTIES>
      <WORKSPACES>
        <SHAPEWORKSPACE name="shp_ws-0" directory="<path to data>" />/>
      </WORKSPACES>
      <LAYER type="featureclass" name="CITIES" visible="true" id="2">
        <DATASET name="CITIES" type="point" workspace="shp_ws-0" />
        <SIMPLERENDERER>
          <SIMPLEMARKERSYMBOL type="square" width="5" />
        </SIMPLERENDERER>
      </LAYER>
    </MAP>
  </CONFIG>
</ARCXML>
```

## MARKUP

**Tag Name:** MARKUP

**Used in:** MARKUP, FIELD

**Parent Tags:** ArcXML

**Attributes:** None

### Sub Tags:

Name	Required	Occurrences	Notes
WORKSPACES	N	one	
MARKUPLAYER	N	many	

### Purpose:

Highest level tag for MARKUP; used for EditNotes.

### Restrictions:

Only used for Feature MapServices.

### Notes

None

### Example:

A MARKUP report for the EditNotes tool:

```
<?xml version="1.0"?>
```

```
<MARKUP>
```

```
<WORKSPACES>
  <FEATURESERVERWORKSPACE name="ifs_ws-20"
url="http://zephyr/servlet/com.esri.esrimap.Esrimap" service="world" />
</WORKSPACES>
<MARKUPLAYER layername="CNTRY94" workspace="ifs_ws-20">
  <DELETEDFEATURES deletedFeatures=",122">
    <FEATURE featureid="122">
      <ENVELOPE minx="-73.6" miny="-33.8" maxx="-34.6" maxy="5.1" />
      <FIELD name="AREA" precision="3" size="12" type="8">
        <FIELDVALUE valuelstring="3251214.289" />
      </FIELD>
      <FIELD name="NAME" precision="0" size="40" type="12">
        <FIELDVALUE valuelstring="Brazil" />
      </FIELD>
      <FIELD name="#SHAPE#" precision="0" size="0" type="-98">
        <FIELDVALUE>
          <POLYGON>
            <RING>
              <POINT x="-54.37604456824513" y="-25.721448467966574" />
              . . .
              <POINT x="-54.37604456824513" y="-25.721448467966574" />
            </RING>
          </POLYGON>
        </FIELDVALUE>
      </FIELD>
    </FEATURE>
  </DELETEDFEATURES>
  <MODIFIEDFEATURES>
    <FEATURE featureid="160">
      <ENVELOPE minx="-23.2" miny="-79.3" maxx="65.1" maxy="-37.8" />
      <FIELD name="AREA" precision="3" size="12" type="8">
        <FIELDVALUE valuelstring="3702824.291" />
      </FIELD>
      <FIELD name="NAME" precision="0" size="40" type="12">
```

```
<FIELDVALUE valuetype="Canada" />
</FIELD>
<FIELD name="#SHAPE#" precision="0" size="0" type="-98">
  <FIELDVALUE>
    <POLYGON>
      <RING>
        <POINT x="-14.729634313824391" y="-67.75687649847535" />
        .
        .
        <POINT x="-14.729634313824391" y="-67.75687649847535" />
      </RING>
    </POLYGON>
  </FIELDVALUE>
</FIELD>
</FEATURE>
<FEATURE featureid="1000001">
  <ENVELOPE minx="79.7" miny="-59.0" maxx="113.9" maxy="-42.4" />
  <FIELD name="AREA" precision="3" size="12" type="8">
    <FIELDVALUE valuetype="10202" />
  </FIELD>
  <FIELD name="NAME" precision="0" size="40" type="12">
    <FIELDVALUE valuetype="Atlantis" />
  </FIELD>
  <FIELD name="#SHAPE#" precision="0" size="0" type="-98">
    <FIELDVALUE>
      <POLYGON>
        <RING>
          <POINT x="85.61944739721136" y="-42.43367913036056" />
          <POINT x="113.93068023991125" y="-46.33867676383642" />
          <POINT x="80.25007565118213" y="-55.12492143915705" />
          <POINT x="85.61944739721136" y="-42.43367913036056" />
        </RING>
      </POLYGON>
    </FIELDVALUE>
  </FIELD>
</FEATURE>
</MODIFIEDFEATURES>
</MARKUPLAYER>
</MARKUP>
```

**REQUEST****Tag Name:** REQUEST**Used in:** REQUEST**Parent Tags:** ArcXML**Attributes:** None**Sub Tags:**

Name	Required	Occurrences	Notes
GET_EXTRACT	N	one	For Extract Server requests
GET_FEATURES	N	one	For Query Server requests
GET_GEOCODE	N	one	For Geocode Server requests
GET_IMAGE	N	one	For Image Server requests
GET_SERVICE_INFO	N	one	Returns information about a MapService

Only one of these sub tags can be used per REQUEST.

**Purpose:**

Defines request to be sent to a MapServer for processing.

**Restrictions:**

- GET\_SERVICE\_INFO request can be sent to any service to get service's information.
- GET\_IMAGE can only be sent to an Image Server.
- GET\_FEATURES can only be used for Feature Server or Query Server.
- GET\_EXTRACT can only be used for Extract Server.
- GET\_GEOCODE can only be used for Geocode Server.

**Notes**

None

**Example:**

See sub tags for REQUEST.

**RESPONSE****Tag Name:** RESPONSE**Used in:** RESPONSE**Parent Tags:** ArcXML**Attributes:** None**Sub Tags:**

Name	Required	Occurrences	Notes
FEATURES	N	one	Response to GET_FEATURES
EXTRACT	N	one	Response to GET_EXTRACT
GEOCODE	N	one	Response to GET_GEOCODE
IMAGE	N	one	Response to GET_IMAGE
SERVICEINFO	N	one	Response for GET_SERVICE_INFO

**Purpose :**

Contains results from a request to the Spatial Server.

**Restrictions:**

None

**Notes**

None

**Example:**

See sub tags for RESPONSE.

## 5 ArcXML Sub Tags

### ADDEDFEATURES

**Tag Name:** ADDEDFEATURES

**Used in:** MARKUP

**Parent Tags:** MARKUPLAYER

**Attributes:** None

#### Sub Tags:

Name	Required	Occurrences	Notes
FEATURE	N	many	

#### Purpose:

Describes features added to a layer.

#### Restrictions:

None

#### Notes

None

#### Example:

```
<MARKUP>
  <WORKSPACES>
    <SHAPEWORKSPACE name="shp_ws-0" directory="<path to data>" />
  </WORKSPACES>
  <MARKUPLAYER layername="STATES" workspace="shp_ws-0">
    <ADDEDFEATURES>
      <FEATURE featureid="1000000">
        <ENVELOPE minx="-133.156056" miny="74.706451" maxx="-128.107955" maxy="78.071851" />
      </FEATURE>
      <FIELD name="#SHAPE#" precision="0" size="0" type="-98">
        <FIELDVALUE>
          <POLYGON>
            <RING>
              <POINT x="-133.15605550814075" y="78.07185101549165" />
              <POINT x="-131.09942196116728" y="74.70645066589869" />
              <POINT x="-128.1079549837513" y="76.38915084069517" />
              <POINT x="-128.1079549837513" y="76.38915084069517" />
              <POINT x="-133.15605550814075" y="78.07185101549165" />
            </RING>
          </POLYGON>
        </FIELDVALUE>
      </FIELD>
      <FIELD name="AREA" precision="3" size="12" type="8" />
      <FIELD name="STATE_NAME" precision="0" size="25" type="12" />
      <FIELD name="STATE_FIPS" precision="0" size="2" type="12" />
      <FIELD name="SUB_REGION" precision="0" size="7" type="12" />
      <FIELD name="STATE_ABBR" precision="0" size="2" type="12" />
      <FIELD name="POP1990" precision="0" size="10" type="4" />
      <FIELD name="POP1996" precision="0" size="10" type="4" />
    </ADDEDFEATURES>
  </MARKUPLAYER>
</MARKUP>
```

**ADDRESS****Tag Name:** ADDRESS**Used in:** REQUEST**Parent Tags:** GET\_GEOCODE**Attributes:** None**Sub Tags:**

Name	Required	Occurrences	Notes
GCTAG	Y	many	

**Purpose :**

Defines address to be geocoded.

**Restrictions:**

None

**Notes**

All GCTAG tags must match GCINPUT tags returned with GET\_SERVICE\_INFO request.

**Example:**

```
<ARCXML version="1.0.1">
  <REQUEST>
    <GET_GEOCODE maxcandidates="25" minscore="60">
      <LAYER id="streets" />
      <ADDRESS>
        <GCTAG id="STREET" value="380 New York st" />
        <GCTAG id="Zip" value="92373" />
        <GCTAG id="CrossStreet" value="" />
      </ADDRESS>
    </GET_GEOCODE>
  </REQUEST>
</ARCXML>
```

**BACKGROUND****Tag Name:** BACKGROUND**Used in:** CONFIG, REQUEST**Parent Tags:** PROPERTIES**Attributes:**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
color	Y	color	255,255, 255	0,0,0 – 255,255,255	Background color for map
transcolor	N	color	N/A	0,0,0 – 255,255,255	Color in output image to set as transparent; only supported for GIF and PNG output formats

**Sub Tags:**

None

**Purpose:**

Defines color of map's background.

**Restrictions:**

Used only for Image Server.

**Notes**

In order to set the background of an image MapService as transparent, color and transcolor should be set to the same value, usually 255,255,255.

**Example:**

## 1) When in CONFIG:

```
<ARCXML version="1.0.1">
  <CONFIG>
    <MAP>
      <PROPERTIES>
        <ENVELOPE minx="-105.594842" miny="-49.955227" maxx="75.672764"
          maxy="83.596039" name="Initial_Extent" />
        <MAPUNITS units="DECIMAL_DEGREES" />
        <BACKGROUND color="255,255,255" transcolor="255,255,255" />
      </PROPERTIES>
      <WORKSPACES>
        <SHAPEWORKSPACE name="shp_ws-0" directory="<path to data>" />
      </WORKSPACES>
    <LAYER type="featureclass" name="CITIES" visible="true" id="2">
      <DATASET name="CITIES" type="point" workspace="shp_ws-0" />
      <SIMPLERENDERER>
        <SIMPLEMARKERSYMBOL type="square" width="5" />
      </SIMPLERENDERER>
    </LAYER>
  </MAP>
</CONFIG>
</ARCXML>
```

## 2) When in REQUEST:

```
<ARCXML version="1.0">
  <REQUEST>
    <GET_IMAGE>
      <PROPERTIES>
        <BACKGROUND color="200,200,200" />
      </PROPERTIES>
    </GET_IMAGE>
  </REQUEST>
</ARCXML>
```

**BUFFER****Tag Name:** BUFFER**Used in:** REQUEST**Parent Tags:** QUERY, SPATIALQUERY, SPATIALFILTER**Attributes**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
distance	Y	double	N/A	N/A	Buffer area width
smoothedges	Y	double	N/A	N/A	Defines smoothness of buffer's boundary
bufferunits	N	string	MAPUNITS defined in PROPERTIES	DECIMAL_DEGREES, MILES, FEET, KILOMETERS, METERS	Specifies units that apply to buffer

**Sub Tags:***When in QUERY or SPATIALQUERY:*

Name	Required	Occurrences	Notes
QUERY	N	one	Cannot have BUFFER inside
SPATIALQUERY	N	one	Cannot have BUFFER inside
TARGETLAYER	N	one	Must refer to existing layer

*When in SPATIALFILTER:*

None

**Purpose:**

- When in SPATIALFILTER, BUFFER defines a new spatial filter polygon; this polygon will be built around the spatial filter's geometry and will be used as new spatial filter.
- When in QUERY or SPATIALQUERY, BUFFER defines the polygon that will be built around features extracted by the query.
- When in QUERY or SPATIALQUERY, BUFFER may have a TARGETLAYER sub tag. In this case, the buffer built around all extracted features will be used as a spatial filter to extract features from the target layer.

**Restrictions:**

QUERY and SPATIALQUERY used in BUFFER cannot contain another BUFFER inside.

**Notes**

Both distance and smoothedges attributes are in buffer units. To ensure that smoothedges is not too small or too big, a recommended distance to start with is 0.01 \* bufferdistance.

**Example:**

1) The result of this query will be a polygon built around all features found in the spatial filters:

```
<SPATIALQUERY subfields="#ALL#" >
  <BUFFER distance="400" smoothedges="4" bufferunits="MILES">
    <SPATIALFILTER ...>
      ...list of spatial filters ...
    </SPATIALFILTER>
  </BUFFER>
</SPATIALQUERY>
```

2) In this query, the buffer built around all features found in spatial filters will be used as a spatial filter to extract features from the target layer:

```
<SPATIALQUERY where="NAME = 'Los Angeles'" >
  <BUFFER distance="400" smoothededges="4" bufferunits="MILES">
    <TARGETLAYER id="CITIES" />
    <SPATIALQUERY subfields="#ALL#" />
  </BUFFER>
  <SPATIALFILTER ...>
    ...list of spatial filters ...
</SPATIALQUERY>
```

3) In this example, a 400-mile buffer will be built around multipoint and will be used as spatial filter instead of this multipoint.

```
<SPATIALFILTER relation="area_intersection" >
  <BUFFER distance="400" smoothededges="4" bufferunits="MILES" />
  <MULTIPOINT>
    ....
  </MULTIPOINT>
</SPATIALFILTER>
```

4) It is permitted to use BUFFER in both SPATIALFILTER and SPATIALQUERY at the same time:

```
<SPATIALQUERY where="NAME = 'Los Angeles'" >
  <BUFFER distance="400" smoothededges="4" bufferunits="MILES">
    <TARGETLAYER id="CITIES" />
    <SPATIALQUERY subfields="#ALL#" />
  </BUFFER>
  <SPATIALFILTER relation="area_intersection" >
    <BUFFER distance="100" smoothededges="1" bufferunits="FEET" />
    <MULTIPOINT>
      ....
    </SPATIALFILTER>
</SPATIALQUERY>
```

## COORDS

**Tag Name:** COORDS

**Used in:** CONFIG, REQUEST, RESPONSE

**Parent Tags:** MULTIPOINT, RING, HOLE, PATH

**Attributes:** None

**Sub Tags:**

None

**Purpose:**

Provides a compact way to represent points for features.

**Restrictions:**

None

### Notes

COORDS uses a compact method for listing the x and y coordinate pairs of a feature in the format of <COORDS> x1,x2,y1,y2...xn,yn </COORDS>. The equivalent non-compact method of listing x and y coordinate pairs is to use the POINT tag as follows:

```
<RING>
  <POINT x="x1" y="y1" />
  <POINT x="x2" y="y2" />
  <POINT x="xn" y="yn" />
</RING>
```

### Example:

1) When used in CONFIG:

```
<CONFIG>
  <MAP>

    <PROPERTIES>
    <ENVELOPE minx="-180.0" miny="-152.99999999999997" maxx="180.0"
maxy="153.000000000000003" />
    <LEGEND title="Legend" />
    </PROPERTIES>

    <WORKSPACES>
    <SHAPEWORKSPACE name="shp_ws-0" directory="<path to data>" />
    </WORKSPACES>

    <LAYER type="Featureclass" name="Cities" visible="true">
      <DATASET name="cities" type="point" workspace="shp_ws-0" />
      <SPATIALQUERY>
        <SPATIALFILTER relation="area_intersection">
          <POLYGON>
            <RING>
              <COORDS>-133.15605550814075,78.07185101549165,-
131.09942196116728,74.70645066589869,-128.1079549837513,76.38915084069517,-
128.1079549837513,76.38915084069517,-133.15605550814075,78.07185101549165</COORDS>
            </RING>
          </POLYGON>
        </SPATIALFILTER>
      </SPATIALQUERY>
      <SIMPLERENDERER>
        <TRUETYPEMARKERSYMBOL transparency="0.5" glowing="0,255,255" shadow="0,0,0"
font="ESRI Cartography" fontstyle="bolditalic" character="252"
fontcolor="255,255,0" fontsize="16" angle="90" antialiasing="false"
overlap="true" />
      </SIMPLERENDERER>
    </LAYER>

  </MAP>
</CONFIG>
```

## 2) When in REQUEST:

```

<REQUEST>
  <GET_IMAGE>
    <PROPERTIES>
      <ENVELOPE minx="-180" miny="-90" maxx="180" maxy="90" />
      <IMAGESIZE width="643" height="502" />
    </PROPERTIES>

    <LAYER type="featureclass" name="select layer" visible="true">
      <DATASET fromlayer="Countries" />
      <SPATIALQUERY>
        <SPATIALFILTER relation="area_intersection">
          <POLYGON>
            <RING>
              <COORDS>-133.15605550814075,78.07185101549165,-
131.09942196116728,74.70645066589869,-128.1079549837513,76.38915084069517,-
128.1079549837513,76.38915084069517,-133.15605550814075,78.07185101549165</COORDS>
            </RING>
          </POLYGON>
        </SPATIALFILTER>
      </SPATIALQUERY>
      <SIMPLERENDERER>
        <SIMPLEPOLYGONSYMBOL color="255,255,255" type="cross" />
      </SIMPLERENDERER>
    </LAYER>

  </GET_IMAGE>
</REQUEST>

```

## 3) When in RESPONSE:

If a GET\_FEATURES request is sent to the Server with the attributes outputmode = "xml" or "newxml" and geometry = "true" and compact = "true", the output mode will be in xml and the geometry will be in a compact set of coordinates. See GET\_FEATURES.

```

<?xml version="1.0"?>
<ARCXML version="1.0">
<RESPONSE>
<FEATURES>
  <FEATURE>
    <FIELDS NAME="Egypt" #SHAPE#="[Geometry]" #ID#="123" />
    <POLYGON>
      <RING>
        <COORDS>
34.349968,31.225552,34.405613,31.095419,34.763947,30.220839,35.139206,29.435066,34
.967999,29.263659,34.752613,28.748598,34.602505,28.112957,34.525677,27.845951,34.4
44862,27.775892,34.261669,27.807285,34.059708,28.041927,33.707722,28.346155,33.534
405,28.568165,33.382137,29.012581,33.147446,29.215393,33.017269,29.494673,32.94094
1,29.710520,32.851624,29.869173,32,,,,,,.458263,31.043501,33.761265,30.984688,3
3.913273,31.012682,34.120632,31.087025,34.349968,31.225552
        </COORDS>
      </RING>
    </POLYGON>
  </FEATURE>
  <FEATURECOUNT count="1" hasmore="false" />
</FEATURES>
</RESPONSE>
</ARCXML>

```

**DATASET****Tag Name:** DATASET**Used in:** CONFIG, REQUEST**Parent Tags:** LAYER**Attributes:**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
name	Y	string	N/A	N/A	For images, see IMAGEWORKSPACE for details on naming files; for shapefile, name of data file without extension; for ArcSDE, full name of layer (e.g., DATA.STATES)
type	Y/N*	specified values	N/A	point, line, polygon	Source layer feature type
workspace	Y	string	N/A	N/A	Workspace name from WORKSPACES

\* Only required for a featureclass layer.

*When in REQUEST, this tag may also have:*

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
fromlayer	N	string	N/A	N/A	id of a layer from CONFIG

When fromlayer is defined, name/type/workspace attributes are not used.

**Sub Tags:**

Name	Required	Occurrences	Note
PARTITION	N	many	Can only be used in CONFIG, not in REQUEST

**Purpose:**

Defines layer's data set.

**Restrictions:**

When in REQUEST, may only be used for LAYERS in a GET\_EXTRACT or GET\_IMAGE tag.

**Notes**

- In REQUEST, when using the fromlayer attribute on a layer, if this layer has been constrained with a query in the CONFIG file, the fromlayer inherits the query from the CONFIG layer.
- There are five different ways to access images and GRIDS. This is detailed in the table below.

Image Access Method	Workspace location	DATASET Layer Name
Specify by name	Use IMAGEWORKSPACE; directory points to location of specified image	Name of image including its extension
Use all images in a directory; images in the same directory will automatically tile if they use the same coordinate projection	Use IMAGEWORKSPACE; directory points to the location of the group of images	Use all images in a directory; all images in the same directory will be automatically loaded and drawn when they are in the extent requested
Use an ArcView image catalog	Use IMAGEWORKSPACE; directory points to location of catalog, not images	Name of the image catalog dbf file. For instance, if catalog is imagecat.dbf, use name="imagecat.dbf"

Add a GRID	Use IMAGEWORKSPACE; directory points to location of INFO directory	Name of directory that contains GRID; for a GRID named Blizzard, use name="blizzard"
Use an image in ArcSDE	Use SDEWORKSPACE	Name is full name of image in ArcSDE, e.g., RASTER.IMAGES.REDLANDS

**Example:**

## 1) When in CONFIG:

```
<CONFIG>
  <MAP>
    <LAYER type="featureclass" name="SCHOOLS" visible="true" id="2">
      <DATASET name="SCHOOLS" type="point" workspace="shp_ws-0" />
      <SIMPLERENDERER>
        <SIMPLEMARKERSYMBOL color="51,102,51" type="triangle" width="8" />
      </SIMPLERENDERER>
    </LAYER>
  </MAP>
</CONFIG>
```

## 2) When in CONFIG and specifying an image by name:

```
<?xml version="1.0" encoding="Cp1252"?>

<ARCXML version="1.0.1">
  <CONFIG>
    <MAP>
      <PROPERTIES>
        <ENVELOPE minx="192837" miny="3769109" maxx="197809" maxy="3773771"
name="Initial_Extent" />
        <MAPUNITS units="DECIMAL_DEGREES" />
      </PROPERTIES>
      <WORKSPACES>
        <IMAGEWORKSPACE directory="<path to data>" />
      </WORKSPACES>
      <LAYER type="image" name="reno.sid" visible="true" id="0">
        <DATASET name="reno.sid" type="image" workspace="jai_ws-0" />
      </LAYER>
    </MAP>
  </CONFIG>
</ARCXML>
```

## 3) When in REQUEST:

```
<REQUEST>
<GET_IMAGE>

  <PROPERTIES>
    <ENVELOPE minx="-180" miny="-90" maxx="180" maxy="90" />
    <IMAGESIZE width="643" height="502" />
  </PROPERTIES>

  <LAYER type="featureclass" name="new layer" visible="true">
    <DATASET fromlayer="Countries" />
    <QUERY where="NAME = 'Brazil'" />
    <SIMPLERENDERER>
      <SIMPLEPOLYGONSYMBOL color="0,255,0" type="cross" />
    </SIMPLERENDERER>
  </LAYER>

</GET_IMAGE>
</REQUEST>
```

**DELETEDFEATURES****Tag Name:** DELETEDFEATURES**Used in:** MARKUP**Parent Tags:** MARKUPLAYER**Attributes:**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
deletedfeatures	Y	string	N/A	List of added features in form of id1, id2,...idn, where id1...idn are feature ids	Feature tags must be inside deletedfeatures tag with same ids

**Sub Tags:**

Name	Required	Occurrences	Notes
FEATURE	N	many	

**Purpose:**

Defines features deleted from a specified layer.

**Restrictions:**

None

**Notes**

None

**Example:**

```

<?xml version="1.0"?>
<MARKUP>
  <WORKSPACES>
    <FEATURESERVERWORKSPACE name="ifs_ws-20"
url="http://zephyr/servlet/com.esri.esrimap.Esrimap" service="world" />
  </WORKSPACES>
  <MARKUPLAYER layername="CNTRY94" workspace="ifs_ws-20">
    <DELETEDFEATURES deletedFeatures="122">
      <FEATURE featureid="122">
        <ENVELOPE minx="-73.6" miny="-33.8" maxx="-34.6" maxy="5.1" />
        <FIELD name="AREA" precision="3" size="12" type="8">
          <FIELDVALUE valuelstring="3251214.289" />
        </FIELD>
        <FIELD name="NAME" precision="0" size="40" type="12">
          <FIELDVALUE valuelstring="Brazil" />
        </FIELD>
        <FIELD name="#SHAPE#" precision="0" size="0" type="-98">
          <FIELDVALUE>
            <POLYGON>
              <RING>
                <POINT x="-54.37604456824513" y="-25.721448467966574" />
                . . .
                <POINT x="-54.37604456824513" y="-25.721448467966574" />
              </RING>
            </POLYGON>
          </FIELDVALUE>
        </FIELD>
      </FEATURE>
    </DELETEDFEATURES>
  </MARKUPLAYER>
</MARKUP>

```

**DRAW****Tag Name:** DRAW**Used in:** CONFIG, REQUEST**Parent Tags:** PROPERTIES**Attributes:**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
map	Y	boolean specified values	true	true, false	Turns map generation on/off

**Sub Tags:**

None

**Purpose:**

Disables map generation if only legend is required.

**Restrictions:**

None

**Notes:**

None

**Example:**

1) When in CONFIG:

```
<ARCXML version="1.0.1">
  <CONFIG>
    <MAP>

      <PROPERTIES>
        <ENVELOPE minx="-105.594842" miny="-49.955227" maxx="75.672764"
maxy="83.596039" name="Initial_Extent" />
        <MAPUNITS units="DECIMAL_DEGREES" />
        <DRAW map="true"/>
        <LEGEND title="Legend" font="Arial" autoextend="true" columns="2"
width="170" height="300" backgroundcolor="255,255,255" />
      </PROPERTIES>

      <WORKSPACES>
        <SHAPEWORKSPACE name="shp_ws-0" directory="<path to data>" />
      </WORKSPACES>

      <LAYER type="featureclass" name="CITIES" visible="true" id="2">
        <DATASET name="CITIES" type="point" workspace="shp_ws-0" />
        <SIMPLERENDERER>
          <SIMPLEMARKERSYMBOL type="square" width="5" />
        </SIMPLERENDERER>
      </LAYER>
    </MAP>
  </CONFIG>
</ARCXML>
```

2) When in REQUEST:

```
<?xml version="1.0"?>
<ARCXML version="1.0">
<REQUEST>
<GET_IMAGE>
<PROPERTIES>
```

```
<DRAW map="false"/>
  <LEGEND title="Legend" font="Arial" autoextend="true" columns="2" width="170"
    height="300" backgroundcolor="255,255,255" />
</PROPERTIES>
<LAYER type="featureclass" name="STREETS" visible="true" id="1">
  <DATASET name="STREETS" type="line" workspace="shp_ws-16" />
</LAYER>
</GET_IMAGE>
</REQUEST>
</ARCXML>
```

## ENVELOPE

**Tag Name:** ENVELOPE

**Used in:** CONFIG, REQUEST, RESPONSE, MARKUP

**Parent Tags:** PROPERTIES, PARTITION, SPATIALFILTER, FCLASS, FEATURE, IMAGE, EXTRACT

**Attributes:**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
maxx	Y	double	N/A	N/A	Right top angle coordinates in database units
maxy	Y	double	N/A	N/A	
minx	Y	double	N/A	N/A	Left bottom angle coordinates in database units
miny	Y	double	N/A	N/A	
name*	N	string	Initial_Extent	Initial_Extent, Extent_Limit	Name describes type of extent that envelope describes
reaspect*	N	boolean specified values	true	true, false	Flag indicates whether coordinates should change to compensate for image aspect ratio; only used for Image Server

\* Used only in CONFIG when parent tag is PROPERTIES.

**Sub Tags:**

None

**Purpose:**

- When in PROPERTIES, ENVELOPE defines the map's initial extent or can be used to describe the extent limit.
- When in PARTITION, it defines extent for a single part of a partitioned data set.
- When in SPATIALFILTER, it defines a rectangular area to be used as a spatial filter.
- When in RESPONSE and parent tag is FCLASS, it describes the extent of this layer.
- When in RESPONSE and parent tag is IMAGE or EXTRACT, it describes the extent for the map returned in the image or the extent for extracted data.
- When in RESPONSE or MARKUP and parent tag is FEATURE, it describes the extent of this specific feature.

**Restrictions:**

None

**Notes**

- When in PROPERTIES in a CONFIG file, name="Initial\_Extent" should be used. The initial extent is the map extent that is drawn when a MapService is first accessed.
- An optional attribute, name="EXTENT\_LIMIT" can also be used. The extent limit is the maximum extent allowable when zooming out. When an extent limit is used in a CONFIG file, two envelope tags are needed:

```
<PROPERTIES>
<ENVELOPE minx="-61.1" miny="3.7" maxx="91.7" maxy="61.3"
name="Initial_Extent" />
<ENVELOPE minx="-61.1" miny="3.7" maxx="91.7" maxy="61.3" name="Extent_Limit" />
</PROPERTIES>
```

The two envelope extents do not need to be the same but often are.

This can only be used inside the axl configuration file. A request to the server shouldn't contain an extent limit attribute.

**Example:**

## 1) When in CONFIG and parent tag is PROPERTIES:

```
<?xml version="1.0" encoding="Cp1252"?>

<ARCXML version="1.0.1">
  <CONFIG>
    <MAP>
      <PROPERTIES>
        <ENVELOPE minx="-178.2" miny="18.9" maxx="-66.9" maxy="71.4"
name="Initial_Extent" />
        <MAPUNITS units="DECIMAL_DEGREES" />
      </PROPERTIES>
      <WORKSPACES>
        <SHAPEWORKSPACE name="shp_ws-0" directory="<path to data>" />
      </WORKSPACES>
      <LAYER type="featureclass" name="STATES" visible="true" id="0">
        <DATASET name="STATES" type="polygon" workspace="shp_ws-0" />
        <SIMPLERENDERER>
          <SIMPLEPOLYGONSYMBOL fillcolor="255,255,153" filltype="solid" />
        </SIMPLERENDERER>
      </LAYER>
    </MAP>
  </CONFIG>
</ARCXML>
```

## 2) When in REQUEST:

```
<ARCXML version="1.0">
  <REQUEST>
    <GET_IMAGE>
      <PROPERTIES>
        <LAYERLIST>
          <LAYERDEF name="Cities" type="point">
            <SIMPLERENDERER>
              <SIMPLEMARKERSYMBOL size="16" color="0,0,0" />
            </SIMPLERENDERER>
            <SPATIALQUERY>
              <SPATIALFILTER relation="area_intersection">
                <ENVELOPE maxy="60" maxx="60" miny="0" minx="0" />
              </SPATIALFILTER>
            </SPATIALQUERY>
          </LAYERDEF>
        </LAYERLIST>
        <ENVELOPE minx="-180" miny="-90" maxx="180" maxy="90" />
      </PROPERTIES>
    </GET_IMAGE>
  </REQUEST>
</ARCXML>
```

## 3) When in RESPONSE and parent tag is FEATURE:

```
<?xml version="1.0"?>
<ARCXML version="1.0">
  <RESPONSE>
    <SERVICEINFO>
      <LAYERINFO type="featureclass" visible="true" name=GDT.GDT_STREET">
        <FCLASS type="line">
          <ENVELOPE minx="-166" miny="36" maxx="-81" maxy="70" />
          <FIELD name="BUS_FID" type="-98" size="10" precision="0" />
          <FIELD name="SE_ROW_ID" type="-99" size="16" precision="0" />
        </FCLASS>
        <SIMPLERENDERER >
          <SIMPLELINESYMBOL type="solid" width="1" />
        </SIMPLERENDERER>
      </LAYERINFO>
    </SERVICEINFO>
  </RESPONSE>
</ARCXML>
```

**EXTENSION****Tag Name:** EXTENSION**Used in:** CONFIG, RESPONSE**Parent Tags:** LAYER**Attributes:**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
type	Y	specified values	N/A	Geocode, StoredQuery	Extension type

**Sub Tags:***If type=Geocode:*

Name	Required	Occurrences	Notes
GCSTYLE	Y	one	Defines geocoding style of layer

*If type=StoredQuery:*

Name	Required	Occurrences	Notes
STOREDQUERIES	Y	many	Defines stored queries for layer

**Purpose:**

Used to define geocoding or stored queries for a layer. This information will be used to create an index on the file or geocoder.

**Restrictions:**

None

**Notes**

None

**Example:**

Describes a layer with two extensions, one for Geocoding and another for Stored Queries:

```
<?xml version="1.0" encoding="Cp1252"?>
```

```
<ARCXML version="1.0.1">
  <CONFIG>
    <MAP>
      <PROPERTIES>
        <ENVELOPE minx="-71.077092" miny="42.357962" maxx="-71.034511" maxy="42.385263"
name="Initial_Extent" />
        <MAPUNITS units="DECIMAL_DEGREES" />
      </PROPERTIES>
      <WORKSPACES>
        <SHAPEWORKSPACE name="shp_ws-64" directory="<path to data>" />
      </WORKSPACES>
      <LAYER type="featureclass" name="Streets" visible="true" id="4">
        <DATASET name="bosstreets" type="line" workspace="shp_ws-64" />
        <SIMPLERENDERER>
          <SIMPLELINESYMBOL type="solid" width="2" color="255,0,0" />
        </SIMPLERENDERER>
        <EXTENSION type="Geocode">
          <GCSTYLE name="USAddressZ">
            <GCFIELD id="FromLeft" name="L_F_ADD" />
            <GCFIELD id="FromRight" name="R_F_ADD" />
            <GCFIELD id="ToLeft" name="L_T_ADD" />
            <GCFIELD id="ToRight" name="R_T_ADD" />
            <GCFIELD id="PreDir" name="PREFIX" />
            <GCFIELD id="PreType" name="PRE_TYPE" />
            <GCFIELD id="StreetName" name="NAME" />
          </GCSTYLE>
        </EXTENSION>
      </LAYER>
    </MAP>
  </CONFIG>
</ARCXML>
```

```

        <GCFIELD id="StreetType" name="TYPE" />
        <GCFIELD id="SufDir" name="SUFFIX" />
        <GCFIELD id="LeftZone" name="ZIPL" />
        <GCFIELD id="RightZone" name="ZIPR" />
    </GCSTYLE>
    </EXTENSION>
    <EXTENSION type="StoredQuery">
        <STOREDQUERIES>
            <STOREDQUERY name="Streets">
                <QUERY where=" NAME = &apos;[%var%]&apos;" subfields="#SHAPE# L_F_ADD
L_T_ADD R_F_ADD R_T_ADD PREFIX PRE_TYPE NAME TYPE SUFFIX ZIPL ZIPR CITYL CITYR STATE_ABBR
CFCC ROAD_TYPE" />
                <SQVAR position="0" name="[%var%]">
                    <FIELD name="NAME" precision="0" type="12" size="32" />
                </SQVAR>
            </STOREDQUERY>
        </STOREDQUERIES>
    </EXTENSION>
</LAYER>
</MAP>
</CONFIG>
</ARCXML>

```

**EXTRACT****Tag Name:** EXTRACT**Used in:** RESPONSE**Parent Tags:** RESPONSE**Attributes:** None**Sub Tags:**

Name	Required	Occurrences	Notes
ENVELOPE	Y	one	
OUTPUT	Y	one	

**Purpose:**

Extracts specified layers into shapefiles that are then zipped up together into one zip file.

**Restrictions:**

None

**Notes:**

See GET\_EXTRACT for request.

**Example:**

```
<?xml version="1.0"?>
<ARCXML version="1.0">
<RESPONSE>
<EXTRACT>
<ENVELOPE minx="-118.0" miny="34.0" maxx="-117.0" maxy="35.0" />
<OUTPUT file="testoutput\enzo1031841.zip" url="http://ferrari/enzo1031841.zip" />
</EXTRACT>
</RESPONSE>
</ARCXML>
```

**FCLASS****Tag Name:** FCLASS**Used in:** RESPONSE**Parent Tags:** LAYERINFO**Attributes:**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
type	Y	specified values	layer type	point, line, polygon	Feature type of feature class

**Sub Tags:**

Name	Required	Occurrences	Notes
ENVELOPE	N	one	
FIELD	N	many	Can contain more than one field

**Purpose:**

Contains feature class information.

**Restrictions:**

None

**Notes**

None

**Example:**

```

<?xml version="1.0"?>
<ARCXML version="1.0">
<RESPONSE>
<SERVICEINFO>
  <LAYERINFO type="featureclass" visible="true" name="REDLANDS.STREET">
    <FCLASS type="line">
      <ENVELOPE minx="-166" miny="36" maxx="-81" maxy="70" />
      <FIELD name="REDLANDS.BUS_FID" type="-98" size="10" precision="0" />
      <FIELD name="REDLANDS.SE_ROW_ID" type="-99" size="16" precision="0" />
      <FIELD name="REDLANDS.ESRI_ID" type="12" size="32" precision="0" />
      <FIELD name="REDLANDS.CFCC" type="12" size="3" precision="0" />
    </FCLASS>
    <SIMPLERENDERER >
      <SIMPLELINESYMBOL type="solid" width="1" />
    </SIMPLERENDERER>
  </LAYERINFO>
</SERVICEINFO>
</RESPONSE>
</ARCXML>

```

## FEATURE

**Tag Name:** FEATURE

**Used in:** RESPONSE, MARKUP

**Parent Tags:** GEOCODE, FEATURES, DELETEDFEATURES, ADDEDFEATURES, MODIFIEDFEATURES

**Attributes:**

When in *MARKUP*:

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
featureid	Y/N	integer	N/A	N/A	Only required if parent tag is GEOCODE

When in *RESPONSE*:

None

**Sub Tags:**

Name	Required	Occurrences	Notes
ENVELOPE	Y	one	
FIELD	Y	many	
FIELDS	Y	one	

**Purpose:**

- Displays geocoding or query results.
- Describes features in a MARKUP report of the EditNotes tool.

**Restrictions:**

None

**Notes**

None

**Example:**

1) When in *RESPONSE*:

```
<RESPONSE>
  <FEATURES>
    <FEATURE>
      <FIELDS CUST_ID="4" NAME="Customer 4" #SHAPE#="[Geometry]" #ID#="3" />
      <MULTIPOINT>
        <POINT x="-122.406680" y="37.747422" />
      </MULTIPOINT>
    </FEATURE>
    . . .
    <FEATURECOUNT count="55" hasmore="false" />
  </FEATURES>
</RESPONSE>
```

2) When in *MARKUP*:

```
<MARKUP>
  <WORKSPACES>
    <SHAPEWORKSPACE name="shp_ws-0" directory="<path to data>" />
  </WORKSPACES>
  <MARKUPLAYER layername="STATES" workspace="shp_ws-0">
    <ADDEDFEATURES>
      <FEATURE featureid="1000000">
        <ENVELOPE minx="-133.156056" miny="74.706451" maxx="-128.107955" maxy="78.071851" />
        <FIELD name="#SHAPE#" precision="0" size="0" type="-98">
```

```
<FIELDVALUE>
  <POLYGON>
    <RING>
      <POINT x="-133.15605550814075" y="78.07185101549165" />
      <POINT x="-131.09942196116728" y="74.70645066589869" />
      <POINT x="-128.1079549837513" y="76.38915084069517" />
      <POINT x="-128.1079549837513" y="76.38915084069517" />
      <POINT x="-133.15605550814075" y="78.07185101549165" />
    </RING>
  </POLYGON>
</FIELDVALUE>
</FIELD>
<FIELD name="AREA" precision="3" size="12" type="8" />
<FIELD name="STATE_NAME" precision="0" size="25" type="12" />
<FIELD name="STATE_FIPS" precision="0" size="2" type="12" />
<FIELD name="SUB_REGION" precision="0" size="7" type="12" />
<FIELD name="STATE_ABBR" precision="0" size="2" type="12" />
<FIELD name="POP1990" precision="0" size="10" type="4" />
<FIELD name="POP1996" precision="0" size="10" type="4" />
</FEATURE>
</ADDEDFEATURES>
</MARKUPLAYER>
</MARKUP>
```

**FEATURECOUNT****Tag Name:** FEATURECOUNT**Used in:** RESPONSE**Parent Tags:** FEATURES**Attributes:**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
count	Y	integer	N/A	N/A	Number of features found
hasmore	Y	boolean specified values	N/A	true, false	False, if all features are returned; true, if there are more features to extract

**Sub Tags:**

None

**Purpose:**

Contains number of features found by Feature Server/Query Server.

**Restrictions:**

None

**Notes:**

None

**Example:**

```
<?xml version="1.0"?>
<ARCXML version="1.0">
<RESPONSE>
  <FEATURES>
    <FEATURE>
      <FIELDS CUST_ID="4" NAME="Customer 4" #SHAPE#="[Geometry]" #ID#="3" />
      <MULTIPOINT>
        <POINT x="-122.406680" y="37.747422" />
      </MULTIPOINT>
    </FEATURE>
    . . . . .
    <FEATURECOUNT count="55" hasmore="false" />
  </FEATURES>
</RESPONSE>
```

## FEATURES

**Tag Name:** FEATURES

**Used in:** RESPONSE

**Parent Tags:** RESPONSE

**Attributes:** None

### Sub Tags:

Name	Required	Occurrences	Notes
FEATURE	Y	many	Only shows in response for a GET_FEATURES request
FEATURECOUNT	Y	one	Number of extracted features

### Purpose :

Contains features returned from Query Server.

### Restrictions:

None

### Notes

See GET\_FEATURES for request.

### Example:

```
<RESPONSE>
  <FEATURES>
    <FEATURE>
      <FIELDS CUST_ID="4" NAME="Customer 4" #SHAPE#="[Geometry]" #ID#="3" />
      <MULTIPOINT>
        <POINT x="-122.406680" y="37.747422" />
      </MULTIPOINT>
    </FEATURE>
    . . . . .
    <FEATURECOUNT count="55" hasmore="false" />
  </FEATURES>
</RESPONSE>
```

**FIELD****Tag Name:** FIELD**Used in:** CONFIG, RESPONSE, MARKUP**Parent Tags:** SQVAR, FIELDS, FCLASS, FEATURE**Attributes:**

When in *CONFIG* and parent tag is *SQVAR*, when in *RESPONSE* and parent tag is *FCLASS* (reply to *GET\_SERVICE\_INFO*), when in *MARKUP* or *RESPONSE* (reply to *GET\_GEOCODE*) and parent tag is *FEATURE*:

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
name	Y	string	N/A	N/A	Field name
type	Y	integer	N/A	-98 – shape fields 4 – integer type fields 8 – double type fields 12 – string type fields 5 – small integer type fields 6 – float type fields 91 – date type fields -99 – row_id type fields 56 – Unknown type	Field type
precision	N	integer	N/A	N/A	Field precision as defined in database; equal to number of decimal places
size	N	integer	N/A	N/A	Field size as defined in database; must be 0 for shapefields

When in *RESPONSE* and parent tag is *FIELDS* (Reply to *GET\_FEATURES*):

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
name	Y	string	N/A	N/A	Field name
value	N	string	N/A	N/A	Returns field value

**Sub Tags:**

When parent tag is *SQVAR*, *FIELDS*, or *FCLASS*:

None

When parent tag is *FEATURE* in *MARKUP* or *RESPONSE* (Reply to *GET\_GEOCODE*):

Name	Required	Occurrences	Notes
FIELDVALUE	Y	one	

**Purpose :**

- When in *CONFIG*, it is used to define a field.
- When in *RESPONSE*, it is either part of a feature layer definition (*LAYERINFO*) or a geocoded address (*GEOCODE*).

**Restrictions:**

None

**Notes**

When a GET\_FEATURES request is made with output="newxml", FIELD displays in the response with only two attributes: name and value.

**Example:**

## 1) When in CONFIG:

```
<CONFIG>
  <MAP>

    <PROPERTIES>
      <ENVELOPE minx="-105.594842" miny="-49.955227" maxx="75.672764"
        maxy="83.596039" name="Initial_Extent" />
      <MAPUNITS units="DECIMAL_DEGREES" />
    </PROPERTIES>

    <WORKSPACES>
      <SHAPEWORKSPACE name="shp_ws-0" directory="<path to data>" />
    </WORKSPACES>

    <LAYER type="featureclass" name="CITIES" visible="true" id="2">
      <DATASET name="CITIES" type="point" workspace="shp_ws-0" />
      <SIMPLERENDERER>
        <SIMPLEMARKERSYMBOL type="square" width="5" />
      </SIMPLERENDERER>
      <EXTENSION type="StoredQuery">
        <STOREDQUERIES>
          <STOREDQUERY name="TestSt">
            <QUERY where=" ZIPL = &apos;[%var%]&apos; " subfields="#SHAPE# FNODE_ TNODE_ LPOLY_
              RPOLY_ LENGTH RECNUM L_F_ADD L_T_ADD R_F_ADD R_T_ADD PREFIX NAME TYPE SUFFIX CFCC ZIPL
              ZIPR" />
            <SQVAR position="0" name="[%var%]">
              <FIELD name="ZIPL" precision="0" type="12" size="5" />
            </SQVAR>
          </STOREDQUERY>
        </STOREDQUERIES>
      </EXTENSION>
    </LAYER>
  </MAP>
```

## 2) When in RESPONSE using GEOCODE:

```
<RESPONSE>
  <GEOCODE>
    <FEATURE featureid="1">
      <FIELD type="4" name="SCORE" size="5" precision="0">
        <FIELDVALUE valuestring="100" />
      </FIELD>
      <FIELD type="12" name="ADDRESSFOUND" size="21" precision="0">
        <FIELDVALUE valuestring="380 NEW YORK ST 92373" />
      </FIELD>
      <FIELD type="-98" name="SHAPEFIELD">
        <FIELDVALUE>
          <POINT x="-117.19496116" y="34.05777355" />
        </FIELDVALUE>
      </FIELD>
    </FEATURE>
    <GCCOUNT count="1" />
  </GEOCODE>
</RESPONSE>
```

## 3) When in RESPONSE using LAYERINFO:

```
<RESPONSE>
  <SERVICEINFO>
    <PROPERTIES>
      <ENVELOPE minx="-141.003006" miny="41.913319" maxx="-52.620281"
        maxy="83.108322" name="Initial_Extent" />
      <MAPUNITS units="DECIMAL_DEGREES" />
    </PROPERTIES>
    <LAYERINFO type="featureclass" visible="true" name="canadadate" id="0">
      <FCLASS type="polygon">
```

```

    <ENVELOPE minx="-141.00300598144531000000000000"
    miny="41.91331863403320300000000000" maxx="-52.62028121948242200000000000"
    maxy="83.10832214355468800000000000" />
    <FIELD name="AREA" type="8" size="12" precision="3" />
    <FIELD name="CODE" type="12" size="4" precision="0" />
    <FIELD name="NAME" type="12" size="25" precision="0" />
    <FIELD name="POP1991" type="4" size="11" precision="0" />
    <FIELD name="POP91_SQMI" type="8" size="13" precision="6" />
    <FIELD name="MYDATE" type="91" size="8" precision="0" />
    <FIELD name="#SHAPE#" type="-98" size="0" precision="0" />
    <FIELD name="#ID#" type="-99" size="16" precision="0" />
  </FCLASS>
  <SIMPLERENDERER>
    <SIMPLEPOLYGONSYMBOL fillcolor="255,0,0" filltransparency="1.0"
    filltype="solid" fillinterval="6" boundarycolor="0,0,0"
    boundarytransparency="1.0" boundarywidth="1" boundarytype="solid"
    boundarycaptype="round" boundaryjointype="round" />
  </SIMPLERENDERER>
</LAYERINFO>
  </SERVICEINFO>
</RESPONSE>

```

#### 4) When in MARKUP:

```
<?xml version="1.0"?>
```

```

<MARKUP>
  <WORKSPACES>
    <FEATURESERVERWORKSPACE name="ifs_ws-20"
    url="http://zephyr/servlet/com.esri.esrimap.Esrimap" service="world" />
  </WORKSPACES>
  <MARKUPLAYER layername="CNTRY94" workspace="ifs_ws-20">
    <MODIFIEDFEATURES>
      <FEATURE featureid="1000001">
        <ENVELOPE minx="79.7" miny="-59.0" maxx="113.9" maxy="-42.4" />
        <FIELD name="AREA" precision="3" size="12" type="8">
          <FIELDVALUE valuetype="10202" />
        </FIELD>
        <FIELD name="NAME" precision="0" size="40" type="12">
          <FIELDVALUE valuetype="Atlantis" />
        </FIELD>
        <FIELD name="#SHAPE#" precision="0" size="0" type="-98">
          <FIELDVALUE>
            <POLYGON>
              <RING>
                <POINT x="85.61944739721136" y="-42.43367913036056" />
                <POINT x="113.93068023991125" y="-46.33867676383642" />
                <POINT x="80.25007565118213" y="-55.12492143915705" />
                <POINT x="85.61944739721136" y="-42.43367913036056" />
              </RING>
            </POLYGON>
          </FIELDVALUE>
        </FIELD>
      </FEATURE>
    </MODIFIEDFEATURES>
  </MARKUPLAYER>
</MARKUP>

```

## FIELDS

**Tag Name:** FIELDS

**Used in:** RESPONSE

**Parent Tags:** FEATURE

**Attributes:**

1) If outputmode in GET\_FEATURES request was "xml", then FIELDS has attributes describing ALL feature fields. Names of the attribute coincide with names of fields, for example,  
<FIELDS CUST\_ID="4" NAME="Customer 4" #SHAPE#="[Geometry]" #ID#="3" />

2) If outputmode="newxml", then FIELDS has no attributes.

**Sub Tags:**

*If outputmode="xml":*

None

*If outputmode="newxml":*

Name	Required	Occurrences	Notes
FIELD	N	many	

**Purpose:**

Supplies a description for a field.

**Restrictions:**

None

**Notes:**

- If outputmode="newxml" in the GET\_FEATURES request, then in the RESPONSE, FIELDS will be:

```
<FIELDS>
  <FIELD name="CUST_ID" value="4" />
  <FIELD name="NAME" value="Customer 4" />
  <FIELD name="#SHAPE#" value="[Geometry]" />
  <FIELD name="#ID#" value="3" />
</FIELDS>
```

- If outputmode="xml" in a GET\_FEATURES request, then in the RESPONSE, FIELDS will be:

```
<FIELDS CUST_ID="4" NAME="Customer 4" #SHAPE#="[Geometry]" #ID#="3" />
```

- Attributes #SHAPE# and #ID# are reserved for the shape column and a feature unique ID.

**Example:**

1) When outputmode="xml":

```
<?xml version="1.0"?>
<ARCXML version="1.0">
<RESPONSE>
  <FEATURES>
    <FEATURE>
      <FIELDS AREA="1068927525.00000" PERIMETER="266301.07400" NAME="Redlands"
        #SHAPE#="[Geometry]" #ID#="1" />
    </FEATURE>
    <FEATURECOUNT count="1" hasmore="false" />
  </FEATURES>
</RESPONSE>
</ARCXML>
```

2) When outputmode="newxml":

```
<?xml version="1.0"?>
<ARCXML version="1.0">
<RESPONSE>
  <FEATURES>
    <FEATURE>
      <FIELDS>
        <FIELD name="AREA" value="1068927525.00000" />
        <FIELD name="PERIMETER" value="266301.07400" />
        <FIELD name="NAME" value="Redlands" />
        <FIELD name="#SHAPE#" value="[Geometry]" />
        <FIELD name="#ID#" value="1" />
      </FIELDS>
    </FEATURE>
    <FEATURECOUNT count="1" hasmore="false" />
  </FEATURES>
</RESPONSE>
</ARCXML>
```

**FIELDVALUE****Tag Name:** FIELDVALUE**Used in:** RESPONSE, MARKUP**Parent Tags:** FIELD**Attributes:**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
valuestring	N	string	N/A	N/A	Field value

**Sub Tags:***When in RESPONSE:*

Name	Required	Occurrences	Notes
POINT	N	many	

*When in MARKUP:*

Name	Required	Occurrences	Notes
MULTIPOINT	N	many	
POLYLINE	N	many	
POLYGON	N	many	

Only one sub tag can be used for each instance of FIELDVALUE.

**Purpose :**

Sets the value of a FIELD.

**Restrictions:**

None

**Notes**

None

**Example:**

1) When in RESPONSE:

```

<RESPONSE>
  <GEOCODE>
    <FEATURE featureid="1">
      <FIELD type="4" name="SCORE" size="5" precision="0">
        <FIELDVALUE valuestring="100" />
      </FIELD>
      <FIELD type="12" name="ADDRESSFOUND" size="21" precision="0">
        <FIELDVALUE valuestring="380 NEW YORK ST 92373" />
      </FIELD>
      <FIELD type="-98" name="SHAPEFIELD">
        <FIELDVALUE>
          <POINT x="-117.19496116" y="34.05777355" />
        </FIELDVALUE>
      </FIELD>
    </FEATURE>
    <GCCOUNT count="1" />
  </GEOCODE>
</RESPONSE>

```

2) When in MARKUP:

```

<MARKUP>
  <WORKSPACES>
    <SHAPEWORKSPACE name="shp_ws-0" directory="<path to data>" />
  </WORKSPACES>
  <MARKUPLAYER layername="STATES" workspace="shp_ws-0">

```

```
<ADDEDFEATURES>
  <FEATURE featureid="1000000">
    <ENVELOPE minx="-133.156056" miny="74.706451" maxx="-128.107955" maxy="78.071851"
    />
    <FIELD name="#SHAPE#" precision="0" size="0" type="-98">
      <FIELDVALUE>
        <POLYGON>
          <RING>
            <POINT x="-133.15605550814075" y="78.07185101549165" />
            <POINT x="-131.09942196116728" y="74.70645066589869" />
            <POINT x="-128.1079549837513" y="76.38915084069517" />
            <POINT x="-128.1079549837513" y="76.38915084069517" />
            <POINT x="-133.15605550814075" y="78.07185101549165" />
          </RING>
        </POLYGON>
      </FIELDVALUE>
    </FIELD>
    <FIELD name="AREA" precision="3" size="12" type="8" />
    <FIELD name="STATE_NAME" precision="0" size="25" type="12" />
    <FIELD name="STATE_FIPS" precision="0" size="2" type="12" />
    <FIELD name="SUB_REGION" precision="0" size="7" type="12" />
    <FIELD name="STATE_ABBR" precision="0" size="2" type="12" />
    <FIELD name="POP1990" precision="0" size="10" type="4" />
    <FIELD name="POP1996" precision="0" size="10" type="4" />
  </FEATURE>
</ADDEDFEATURES>
</MARKUPLAYER>
</MARKUP>
```

**GCCOUNT****Tag Name:** GCCOUNT**Used in:** RESPONSE**Parent Tags:** GEOCODE**Attributes:**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
count	Y	integer	N/A	N/A	Number of candidates found

**Sub Tags:**

None

**Purpose:**

Contains number of candidates found by geocoder.

**Restrictions:**

None

**Notes**

None

**Example:**

```
<ARCXML version="1.0">
<RESPONSE>
<GEOCODE>
  <FEATURE featureid="1">
    <FIELD type="4" name="SCORE" size="5" precision="0">
      <FIELDVALUE valuestring="100" />
    </FIELD>
    <FIELD type="12" name="ADDRESSFOUND" size="21" precision="0">
      <FIELDVALUE valuestring="380 NEW YORK ST 92373" />
    </FIELD>
    <FIELD type="-98" name="SHAPEFIELD">
      <FIELDVALUE>
        <POINT x="-117.19496116" y="34.05777355" />
      </FIELDVALUE>
    </FIELD>
  </FEATURE>
  <GCCOUNT count="1" />
</GEOCODE>
</RESPONSE>
</ARCXML>
```

**GCFIELD****Tag Name:** GCFIELD**Used in:** CONFIG**Parent Tags:** GCSTYLE**Attributes:**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
id	Y	string	N/A	N/A	As specified in geocoder's field
name	Y	string	N/A	N/A	Name of field from dataset

**Sub Tags:**

None

**Purpose:**

Defines a field used for geocoding.

**Restrictions:**

None

**Notes**

None

**Example:**

```
<EXTENSION type="Geocode">
  <GCSTYLE name="USAddressZ">
    <GCFIELD id="FromLeft" name="L_F_ADD" />
    <GCFIELD id="FromRight" name="R_F_ADD" />
    <GCFIELD id="ToLeft" name="L_T_ADD" />
    <GCFIELD id="ToRight" name="R_T_ADD" />
    <GCFIELD id="PreDir" name="PREFIX" />
    <GCFIELD id="StreetName" name="NAME" />
    <GCFIELD id="StreetType" name="TYPE" />
    <GCFIELD id="SufDir" name="SUFFIX" />
    <GCFIELD id="LeftZone" name="ZIPL" />
    <GCFIELD id="RightZone" name="ZIPR" />
  </GCSTYLE>
</EXTENSION>
```

**GCINPUT****Tag Name:** GCINPUT**Used in:** RESPONSE**Parent Tags:** GCSTYLE**Attributes:**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
description	Y	string	N/A	N/A	Description of field
id	Y	string	N/A	N/A	id of input tag; must be used in request
label	Y	string	N/A	N/A	For client User Interface
type	Y	specified values	N/A	text, combo	For client User Interface
valuelist	Y	string	N/A	N/A	List of values, if User Interface type is combo
width	Y	integer	N/A	N/A	For client User Interface

**Sub Tags:**

None

**Purpose:**

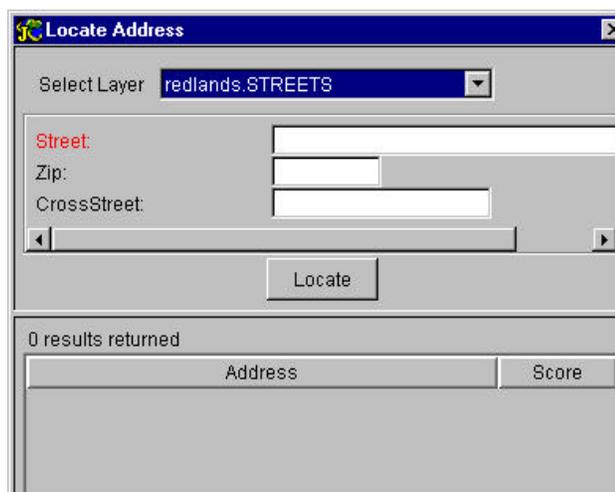
Describes an input tag for a GET\_GEOCODE request.

**Restrictions:**

None

**Notes**

- The valuelist attribute is not used if type="text".
- When type="combo", the valuelist attribute will contain the values to use as a dropdown list for this combination.
- As an example of how the User Interface uses the input, the ArcExplorer 3 Locate Address dialog box is displayed below. The street, zip, and cross street are all inputs listed for the style used with this layer. If there were more input, the User Interface would add them to offer users the chance to fill in the values.



**Example:**

```
<?xml version="1.0"?>
<ARCXML version="1.0">
<RESPONSE>
<SERVICEINFO>
<LAYERINFO type="featureclass" visible="true" name="REDLANDS.STREETS">
<EXTENSION type="geocode">
<GCSTYLE name="USAddressZ" >
  <GCINPUT id="STREET" label="Street" width="10" type="text" description="street
  number, street name and type" />
  <GCINPUT id="ZIP" label="Zip" width="5" type="text" description="zip code (5
  digits)" />
  <GCINPUT id="CROSSSTREET" label="Cross street" width="10" type="text"
  description="cross street name and type" />
</GCSTYLE>
</EXTENSION>
</LAYERINFO>
</SERVICEINFO>
</RESPONSE>
</ARCXML>
```

**GCSTYLE****Tag Name:** GCSTYLE**Used in:** CONFIG, RESPONSE**Parent Tags:** EXTENSION**Attributes:**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
name	Y	specified values	N/A	USAddressZ USAddress USSingleHouse USSingleHouseZ USSingleRange USSingleRangeZ Zip4 Zip4Range SingleField	Name of geocoding style file (*.stl)

**Sub Tags:***When in CONFIG:*

Name	Required	Occurrences	Notes
GCFIELD	Y	many	Depends on geocoding style

*When in RESPONSE:*

None

**Purpose:**

Contains information about geocoding fields required by the client.

**Restrictions:**

None

**Notes**

- GCSTYLE contains information about all data fields used for geocoding. The fields depend on the geocoding style. All fields marked as "required" in the corresponding \*.stl file must be listed as a GCFIELD sub tag.
- When sending a GET\_SERVICE\_INFO request to a CustomService=Geocode, the response returns only the layer of the MapService that has a Geocode extension. As a sub tag to GCSTYLE, a GCINPUT tag will appear. GCINPUT contains the information needed for the inputs that users have to provide for Geocoding. Please refer to the GCINPUT tag for more information.

**Example:**

1) GCSTYLE for USAddressZ:

```
<?xml version="1.0" encoding="Cp1252"?>
```

```
<ARCXML version="1.0.1">
```

```
<CONFIG>
```

```
<MAP>
```

```
<PROPERTIES>
```

```
<ENVELOPE minx="-71.077092" miny="42.357962" maxx="-71.034511" maxy="42.385263"
name="Initial_Extent" />
```

```
<MAPUNITS units="DECIMAL_DEGREES" />
```

```

</PROPERTIES>

<WORKSPACES>
  <SHAPEWORKSPACE name="shp_ws-0" directory="<path to data>" />
</WORKSPACES>

<LAYER type="featureclass" name="boston" visible="true" id="0" minscale="1:1"
maxscale="1:2147483647">
  <DATASET name="bosstreets" type="line" workspace="shp_ws-0" />
  <SIMPLERENDERER>
<SIMPLELINESYMBOL transparency="1.0" type="solid" width="1" capttype="round"
  jointype="round" color="227,27,27" />
  </SIMPLERENDERER>

  <EXTENSION type="Geocode">
    <GCSTYLE name="SingleField">
<!--reqd--> <GCFIELD id="KeyField" name="NAME" />
    </GCSTYLE>
  </EXTENSION>
</LAYER>
</MAP>
</CONFIG>
</ARCXML>

```

## 2) GCSTYLE for USAddress:

```

<EXTENSION type="Geocode">
  <GCSTYLE name="USAddress">
<!--reqd--> <GCFIELD id="FromLeft" name="L_F_ADD" />
<!--reqd--> <GCFIELD id="FromRight" name="R_F_ADD" />
<!--reqd--> <GCFIELD id="ToLeft" name="L_T_ADD" />
<!--reqd--> <GCFIELD id="ToRight" name="R_T_ADD" />
    <GCFIELD id="PreDir" name="PREFIX" />
    <GCFIELD id="PreType" name="PRE_TYPE" />
<!--reqd--> <GCFIELD id="StreetName" name="NAME" />
    <GCFIELD id="StreetType" name="TYPE" />
    <GCFIELD id="SufDir" name="SUFFIX" />
  </GCSTYLE>
</EXTENSION>

```

## 3) GCSTYLE for USSingleRangeZ:

```

<EXTENSION type="Geocode">
  <GCSTYLE name="USSingleRangeZ">
<!--reqd--> <GCFIELD id="From" name="FROM_ADD" />
<!--reqd--> <GCFIELD id="To" name="TO_ADD" />
    <GCFIELD id="PreDir" name="PREFIX" />
    <GCFIELD id="PreType" name="PRE_TYPE" />
    <GCFIELD id="StreetName" name="NAME" />
<!--reqd--> <GCFIELD id="StreetType" name="TYPE" />
    <GCFIELD id="SufDir" name="SUFFIX" />
<!--reqd--> <GCFIELD id="Zone" name="CFCC" />
  </GCSTYLE>
</EXTENSION>

```

## 4) GCSTYLE for USSingleRange:

```

<EXTENSION type="Geocode">
  <GCSTYLE name="USSingleRange">
<!--reqd--> <GCFIELD id="From" name="FROM_ADD" />
<!--reqd--> <GCFIELD id="To" name="TO_ADD" />
    <GCFIELD id="PreDir" name="PREFIX" />
    <GCFIELD id="PreType" name="PRE_TYPE" />
<!--reqd--> <GCFIELD id="StreetName" name="NAME" />
    <GCFIELD id="StreetType" name="TYPE" />
    <GCFIELD id="SufDir" name="SUFFIX" />
  </GCSTYLE>
</EXTENSION>

```

## 5) GCSTYLE for USSingleHouseZ:

```

<EXTENSION type="Geocode">
  <GCSTYLE name="USSingleHouseZ">

```

```
<!--reqd--> <GCFIELD id="HouseNum" name="ADDRESS" />
             <GCFIELD id="PreDir" name="PREFIX" />
             <GCFIELD id="PreType" name="PRE_TYPE" />
<!--reqd--> <GCFIELD id="StreetName" name="NAME" />
             <GCFIELD id="StreetType" name="TYPE" />
             <GCFIELD id="SufDir" name="SUFFIX" />
<!--reqd--> <GCFIELD id="Zone" name="CFCC" />
             </GCSTYLE>
</EXTENSION>
```

#### 6) GCSTYLE for USSingleHouse:

```
<EXTENSION type="Geocode">
  <GCSTYLE name="USSingleHouse">
<!--reqd--> <GCFIELD id="HouseNum" name="ADDRESS" />
             <GCFIELD id="PreDir" name="PREFIX" />
             <GCFIELD id="PreType" name="PRE_TYPE" />
<!--reqd--> <GCFIELD id="StreetName" name="NAME" />
             <GCFIELD id="StreetType" name="TYPE" />
             <GCFIELD id="SufDir" name="SUFFIX" />
  </GCSTYLE>
</EXTENSION>
```

#### 7) GCSTYLE for Zip4:

```
<EXTENSION type="Geocode">
  <GCSTYLE name="Zip4">
<!--reqd--> <GCFIELD id="ZIP" name="ZIP" />
<!--reqd--> <GCFIELD id="ZIP4" name="ZIP4" />
  </GCSTYLE>
</EXTENSION>
```

#### 8) GCSTYLE for Zip4Range:

```
<EXTENSION type="Geocode">
  <GCSTYLE name="Zip4Range">
<!--reqd--> <GCFIELD id="ZIP" name="ZIP" />
<!--reqd--> <GCFIELD id="Zip4Low" name="ZIPL" />
<!--reqd--> <GCFIELD id="Zip4High" name="ZIPH" />
  </GCSTYLE>
</EXTENSION>
```

#### 9) GCSTYLE for Zip5:

```
<EXTENSION type="Geocode">
  <GCSTYLE name="Zip5">
<!--reqd--> <GCFIELD id="ZIP" name="ZIPL" />
  </GCSTYLE>
</EXTENSION>
```

#### 10) GCSTYLE for SingleField:

```
<EXTENSION type="Geocode">
  <GCSTYLE name="SingleField">
<!--reqd--> <GCFIELD id="KeyField" name="NAME" />
  </GCSTYLE>
</EXTENSION>
```

**GCTAG****Tag Name:** GCTAG**Used in:** REQUEST**Parent Tags:** ADDRESS**Attributes:**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
id	Y	string	N/A	N/A	id as defined in GCINPUT
value	Y	string	N/A	N/A	Value to send back to Server

**Sub Tags:**

None

**Purpose:**

Defines a single part of an address to be geocoded, for example, a street name or zip code.

**Restrictions:**

None

**Notes**

GCTAG tags must match the GCINPUT tags returned with a GET\_SERVICE\_INFO request. For most styles, the GCTAG type used is one or more of the following: Street, Zip, and/or CrossStreet. For styles like SingleField, the GCTAG type is KEYFIELD.

**Example:**

```
<ARCXML version="1.0.1">
  <REQUEST>
    <GET_GEOCODE maxcandidates="25" minscore="60">
      <LAYER id="streets" />
      <ADDRESS>
        <GCTAG id="STREET" value="380 New York st" />
        <GCTAG id="Zip" value="92373" />
        <GCTAG id="CrossStreet" value="" />
      </ADDRESS>
    </GET_GEOCODE>
  </REQUEST>
</ARCXML>
```

**GEOCODE****Tag Name:** GEOCODE**Used in:** RESPONSE**Parent Tags:** RESPONSE**Attributes:** None**Sub Tags:**

Name	Required	Occurrences	Notes
GCCOUNT	Y	one	Number of candidates found
FEATURE	N	many	Geocoding location found

**Purpose :**

Geocoding result.

**Restrictions:**

None

**Notes**

See GET\_GEOCODE for request.

**Example:**

```
<ARCXML version="1.0">
<RESPONSE>
<GEOCODE>
  <FEATURE featureid="1">
    <FIELD type="4" name="SCORE" size="5" precision="0">
      <FIELDVALUE valuestring="100" />
    </FIELD>
    <FIELD type="12" name="ADDRESSFOUND" size="21" precision="0">
      <FIELDVALUE valuestring="380 NEW YORK ST 92373" />
    </FIELD>
    <FIELD type="-98" name="SHAPEFIELD">
      <FIELDVALUE>
        <POINT x="-117.19496116" y="34.05777355" />
      </FIELDVALUE>
    </FIELD>
  </FEATURE>
<GCCOUNT count="1" />
</GEOCODE>
</RESPONSE>
</ARCXML>
```

## GET\_EXTRACT

**Tag Name:** GET\_EXTRACT

**Used in:** REQUEST

**Parent Tags:** REQUEST

**Attributes:** None

### Sub Tags:

Name	Required	Occurrences	Notes
PROPERTIES	Y	one	
LAYER	N	many	
WORKSPACES	N	one	Only valid with SHAPEWORKSPACE and SDEWORKSPACE

### Purpose:

Extracts all specified layers into a shapefile.

### Restrictions:

- This tag can only be used if the Extract Server has already been set up for use. Refer to the ArcIMS online help System Administration 'Extract Server' section for instructions.
- Only vector data sets from shapefiles and ArcSDE can be extracted.
- Only layers that are set to visible in a layerlist will be extracted.

### Notes:

- Extract Server is not set up by default. Refer to the online help System Administration 'Extract Server' section for information on how to set up the Extract Server in ArcIMS.
- See EXTRACT for response.

### Example:

```
<ARCXML version="1.0">
  <REQUEST>
    <GET_EXTRACT>
      <PROPERTIES>
        <OUTPUT baseurl="http://ferrari/two" path="D:\testoutput2" />
        <ENVELOPE minx="-118" miny="34" maxx="-117" maxy="35" />
      </PROPERTIES>
      <LAYERLIST>
        <LAYERDEF name="cities" visible="false" />
        <LAYERDEF name="countries" visible="true" />
        <LAYERDEF name="rivers" visible="false" />
      </LAYERLIST>
    </GET_EXTRACT>
  </REQUEST>
</ARCXML>
```

**GET\_FEATURES****Tag Name:** GET\_FEATURES**Used in:** REQUEST**Parent Tags:** REQUEST**Attributes:**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
attributes	N	boolean specified values	true	true, false	Turns unnecessary data off
beginrecord	N	integer	0	N/A	Index of first extracted record
checkesc	N	boolean specified values	false	true, false	Forces FeatureServer to check all output strings and "escape" all '&' '<' '>' symbols to be XML compliant
compact	N	boolean specified values	false	true, false	For XML response, switches geometry to compact form
envelope	N	boolean specified values	true	true, false	Requests bounding envelope of returned features
featurelimit	N	integer	all features	N/A	Maximum number of returned features
geometry	N	boolean specified values	true	true, false	Requests feature coordinates
outputmode	N	specified values	N/A	xml, newxml	If attribute is missing, default is compressed binary stream; if attribute is present, default is N/A and one of the known values must be used

**Sub Tags:**

Name	Required	Occurrences	Notes
LAYER	Y	one	Must refer to an existing layer
QUERY	Y/N*	one	Defines attribute constraints for the layer
SPATIALQUERY	Y/N*	one	Defines attribute and spatial constraints

\* Either QUERY or SPATIALQUERY is required.

**Purpose:**

Extracts features as a compressed binary stream or returns a response in ArcXML.

**Restrictions:**

- Can only be used for one layer at a time.
- Used only with Feature Server or Query Server.

**Notes**

- See FEATURES for response.
- The outputmode attribute defines the format of the output data stream. If outputmode is not included in the request, then the request goes to the Feature Server and the response is a compressed binary stream. If the attribute exists in the request, it can have one of two values: newxml or xml. The main difference is that 'newxml' is an XML compliant format, and 'xml' is

not. The 'xml' output version creates output where fieldname='value'. For the #ID# and #SHAPE# fields, this creates attributes that are not XML compliant because of the '#'.

If outputmode="xml", then all features will be returned in a "short" ArcXML format in the FIELDS tag:

```
<?xml version="1.0"?>
<ARCXML version="1.0">
<RESPONSE>
<FEATURES>
<FEATURE>
<FIELDS CUST_ID="4" NAME="Customer 4" #SHAPE#="[Geometry]" #ID#="3" />
<MULTIPOINT>
  <POINT x="-122.406680" y="37.747422" />
</MULTIPOINT>
</FEATURE>
. . .
<FEATURECOUNT count="55" hasmore="false" />
</FEATURES>
</RESPONSE>
</ARCXML>
```

If outputmode="newxml" then all fields will be returned in a "long" ArcXML format in the FIELD tag:

```
<FIELDS>
  <FIELD name="CUST_ID" value="4" />
  <FIELD name="NAME" value="Customer 4" />
  <FIELD name="#SHAPE#" value="[Geometry]" />
  <FIELD name="#ID#" value="3" />
</FIELDS>
```

- The compact attribute can be used to switch the geometry used in the output ArcXML to a shortened format. When compact is true, the response uses the COORDS tag, for example,

```
<MULTIPOINT>
  <COORDS>-122.406680,37.747422,-123,500555,37.820000</COORDS>
</MULTIPOINT>
```

When compact is false, the response uses the POINT tag, for example,

```
<MULTIPOINT>
  <POINT x=-122.406680 y=37.747422 />
  <POINT x=-123,500555,y=37.820000 />
</MULTIPOINT>
```

### Example:

```
<ARCXML version="1.0.1">
<REQUEST>
<GET_FEATURES outputmode="xml" compact="true">
  <LAYER id="2" />
  <QUERY subfields="NAME #SHAPE# #ID#" where="NAME='CA'" />
</GET_FEATURES>
</REQUEST>
</ARCXML>
```

**GET\_GEOCODE****Tag Name:** GET\_GEOCODE**Used in:** REQUEST**Parent Tags:** REQUEST**Attributes:**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
maxcandidates	N	integer	20	N/A	Maximum number of returned candidates
minscore	N	integer	60	0 – 100	Minimum score of returned candidates; if missing, will return all scores above 60; integer number from 0 to 100 shows how "good" a candidate is: 100 means a perfect match and 0 means no match

**Sub Tags:**

Name	Required	Occurrences	Notes
ADDRESS	Y	one	Address to be geocoded
LAYER	Y	one	Must refer to an existing layer

**Purpose :**

Request for address geocoding.

**Restrictions:**

Used only with Geocode Server.

**Notes**

- This request can be sent only to MapServices with geocodable layers.
- See GEOCODE for response.
- Up to "maxcandidates" candidates with score greater than "minscore" may be returned.

**Example:**

```
<ARCXML version="1.0.1">
  <REQUEST>
    <GET_GEOCODE maxcandidates="25" minscore="60">
      <LAYER id="streets" />
      <ADDRESS>
        <GCTAG id="STREET" value="380 New York St" />
        <GCTAG id="Zip" value="92373" />
        <GCTAG id="CrossStreet" value="" />
      </ADDRESS>
    </GET_GEOCODE>
  </REQUEST>
</ARCXML>
```

**GET\_IMAGE****Tag Name:** GET\_IMAGE**Used in:** REQUEST**Parent Tags:** REQUEST**Attributes:** None**Sub Tags:**

Name	Required	Occurrences	Notes
PROPERTIES	Y	one	
LAYER	N	many	
WORKSPACES	N	one	Only valid with SHAPEWORKSPACE, IMAGEWORKSPACE, and SDEWORKSPACE

**Purpose :**

Retrieves an image from an Image Server.

**Restrictions:**

Only valid with SHAPEWORKSPACE, IMAGEWORKSPACE, and SDEWORKSPACE.

**Notes**

See IMAGE for response.

**Example:**

```
<ARCXML version="1.0">
  <REQUEST>
    <GET_IMAGE>
      <PROPERTIES>
        <LAYERLIST>
          <LAYERDEF name="Cities" type="point">
            <SIMPLERENDERER>
              <SIMPLEMARKERSYMBOL size="16" color="0,0,0" />
            </SIMPLERENDERER>
            <SPATIALQUERY>
              <SPATIALFILTER relation="area_intersection">
                <ENVELOPE maxy="60" maxx="60" miny="0" minx="0" />
              </SPATIALFILTER>
            </SPATIALQUERY>
          </LAYERDEF>
        </LAYERLIST>
        <ENVELOPE minx="-180" miny="-90" maxx="180" maxy="90" />
      </PROPERTIES>
    </GET_IMAGE>
  </REQUEST>
</ARCXML>
```

**GET\_SERVICE\_INFO****Tag Name:** GET\_SERVICE\_INFO**Used in:** REQUEST**Parent Tags:** REQUEST**Attributes:**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
envelope	N	boolean	true	true, false	May be used to specify which information is needed
extensions	N	boolean	true	true, false	
fields	N	boolean	true	true, false	
renderer	N	boolean	true	true, false	

**Sub Tags:**

None

**Purpose :**

Returns information about a MapService.

**Restrictions:**

None

**Notes**

See SERVICE\_INFO for response.

**Example:**

```
<?xml version="1.0">  
<ARCXML version="1.0">  
<REQUEST>  
<GET_SERVICE_INFO fields="false" envelope="false" renderer="false"/>  
</REQUEST>  
</ARCXML>
```

**HOLE****Tag Name:** HOLE**Used in:** CONFIG, MARKUP, REQUEST, RESPONSE**Parent Tags:** RING**Attributes:** None**Sub Tags:**

Name	Required	Occurrences	Notes
COORDS	Y/N*	one	
POINT	Y/N*	many	

\* Either COORDS or POINT is required.

**Purpose :**

Represents holes inside of polygon features.

**Restrictions:**

- POLYGON used in an acetate layer is a simple polygon. It cannot contain a RING or a HOLE. This applies for both CONFIG and GET\_IMAGE requests.
- A POLYGON with a HOLE can be used inside a SPATIALFILTER in CONFIG or REQUEST. It can also be used to describe FEATURE geometry in RESPONSE or MARKUP.

**Notes**

None

**Example:**

```
<POLYGON>
  <RING>
    <POINT x="-133.15605550814075" y="78.07185101549165" />
    <POINT x="-131.09942196116728" y="74.70645066589869" />
    <POINT x="-128.1079549837513" y="76.38915084069517" />
    <POINT x="-128.1079549837513" y="76.38915084069517" />
    <POINT x="-133.15605550814075" y="78.07185101549165" />
  <HOLE>
    <POINT x="-135.15605550814075" y="75.07185101549165" />
    <POINT x="-137.09942196116728" y="72.70645066589869" />
    <POINT x="-130.1079549837513" y="79.38915084069517" />
  </HOLE>
</RING>
</POLYGON>
```

**IMAGE****Tag Name:** IMAGE**Used in:** RESPONSE**Parent Tags:** RESPONSE**Attributes:** None**Sub Tags:**

Name	Required	Occurrences	Notes
ENVELOPE	Y	one	
LEGEND	Y/N	one	Returns image for legend, if request sent required a legend
OUTPUT	Y/N	one	Returns location of image map, if request has an image for map to be generated

**Purpose :**

The main tag for a response from an Image MapService.

**Restrictions:**

None

**Notes**

- See GET\_IMAGE for request.
- If the DRAW tag was used in the request with map="false" and LEGEND is in the request, only LEGEND will be returned in the response.
- If map="true" and LEGEND is required in the request, then all sub tags will be returned.
- If LEGEND is not added in the request, then only ENVELOPE and OUTPUT will be returned.

**Example:**

This example is a RESPONSE for a request for a map and legend. If the legend is not part of the request, it will not show in the response:

```
<?xml version="1.0"?>
<ARCXML version="1.0">
<RESPONSE>
<IMAGE>
  <ENVELOPE minx="-118.19793324" miny="34.03441917" maxx="-118.12940130"
maxy="34.08010713" />
  <OUTPUT file="testoutput\Legend_ENZO2052765.gif"
url="http://ivy/maps/Legend_ENZO2052765.gif" />
  <LEGEND file="testoutput\Legend_ENZO2052766.gif"
url="http://ivy/maps/Legend_ENZO2052766.gif" />
</IMAGE>
</RESPONSE>
</ARCXML>
```

**IMAGEPROPERTIES****Tag Name:** IMAGEPROPERTIES**Used in:** CONFIG, REQUEST**Parent Tags:** LAYER (if type is image)**Attributes:**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
transparency	Y*	double	1.0	0.0 – 1.0	Transparency coefficient
transcolor	Y*	color	N/A	0,0,0 – 255,255, 255	Transparent layer's color

\* Must use at least one attribute.

**Sub Tags:**

None

**Purpose :**

Sets the opaqueness of an image layer. It also can be used to set a color as transparent.

**Restrictions:**

Only supported when an image is served in a MapService. The Java Viewers do not support this tag and, therefore, cannot use it when reading an axl file directly without using the Image Server.

**Notes**

None

**Example:**

```

<ARCXML version="1.0.1">
<CONFIG>
<MAP>
<PROPERTIES>
  <ENVELOPE minx="-130.21502685546875" miny="30.4721642271779203"
maxx="-110.9698486328125" maxy="40.8592643006541" />
</PROPERTIES>
  <WORKSPACES>
    <SHAPEWORKSPACE name="shp_ws-1" directory="<path to data>" />
    <IMAGEWORKSPACE name="img_ws-1" directory="<path to data>" />
  </WORKSPACES>
  <LAYER type="Featureclass" name="WORLD30" visible="true">
    <DATASET name="WORLD30" type="polygon" workspace="shp_ws-1" />
    <SIMPLERENDERER>
      <SIMPLELINESYMBOL color="255,0,0" width="5" />
    </SIMPLERENDERER>
  </LAYER>
  <LAYER type="image" name="us25080.tif" visible="true">
    <DATASET type="image" name="us25080.tif" workspace="img_ws-1" />
    <IMAGEPROPERTIES transparency="0.5" />
  </LAYER>
</MAP>
</CONFIG>
</ARCXML>

```

**IMAGESIZE****Tag Name:** IMAGESIZE**Used in:** CONFIG, REQUEST**Parent Tags:** PROPERTIES**Attributes:**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
height	Y	integer	N/A	N/A	Image height in pixels
width	Y	integer	N/A	N/A	Image width in pixels

**Sub Tags:**

None

**Purpose:**

Defines size of output map.

**Restrictions:**

Used only for Image Server.

**Notes**

If defined in CONFIG, it defines the default size of all images generated by the server for the map.

**Example:**

1) When in CONFIG:

```
<?xml version="1.0" encoding="Cp1252"?>
<ARCXML version="1.0.1">
  <CONFIG>
    <MAP>
      <PROPERTIES>
        <ENVELOPE minx="-105.594842" miny="-49.955227" maxx="75.672764"
          maxy="83.596039" name="Initial_Extent" />
        <MAPUNITS units="DECIMAL_DEGREES" />
        <IMAGESIZE height="640" width="480"/>
      </PROPERTIES>
      <WORKSPACES>
        <SHAPEWORKSPACE name="shp_ws-0" directory="<path to data>" />
      </WORKSPACES>
      <LAYER type="featureclass" name="CITIES" visible="true" id="2">
        <DATASET name="CITIES" type="point" workspace="shp_ws-0" />
        <SIMPLERENDERER>
          <SIMPLEMARKERSYMBOL type="square" width="5" />
        </SIMPLERENDERER>
      </LAYER>
    </MAP>
  </CONFIG>
</ARCXML>
```

2) When in REQUEST:

```
<?xml version="1.0"?>
<ARCXML version="1.0">
  <REQUEST>
    <GET_IMAGE>
      <PROPERTIES>
        <IMAGESIZE height="640" width="480"/>
      </PROPERTIES>
    </GET_IMAGE>
  </REQUEST>
</ARCXML>
```

**LAYER****Tag Name:** LAYER**Used in:** CONFIG, REQUEST**Parent Tags:** MAP, GET\_FEATURES, GET\_IMAGE, GET\_EXTRACT, GET\_GEOCODE**Attributes:***When in MAP or GET\_IMAGE:*

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
id	Y/N*	string	N/A	N/A	Unique id for a layer in a CONFIG file
name	Y/N*	string	N/A	N/A	Layer name; can be an alias
type	Y/N**	specified values	N/A	featureclass, acetate, image	Specifies layer type
maxscale	N	string	N/A	N/A	Maximum scale to display layer in as a relative scale (e.g. 1:24000) or map units per pixel.
minscale	N	string	N/A	N/A	Minimum scale to display layer in as a relative scale (e.g. 1:24000) or map units per pixel
visible	N	boolean specified values	true	true, false	Specifies layer visibility

*When in GET\_FEATURES, GET\_EXTRACT, or GET\_GEOCODE:*

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
id	Y/N*	string	N/A	N/A	Must match one from CONFIG
name	Y/N*	string	N/A	N/A	Layer name

\* If only name is defined for the LAYER inside the MAP tag in CONFIG, GET\_IMAGE requests can use this name to specify one or more layers that this name applies to. If only id is defined for the LAYER inside the MAP tag in CONFIG, the GET\_IMAGE request can use the id to specify the layer. If both name and id are defined for the LAYER inside the MAP tag in CONFIG, GET\_IMAGE requests can use name to specify one or more layers that this name applies to or use id to specify a specific layer.

If using name to send a GET\_FEATURES, GET\_GEOCODE, or GET\_EXTRACT request, it will only apply to the first layer it finds by that name, since queries can only be operated on one layer. Using GET\_FEATURES, GET\_GEOCODE, or GET\_EXTRACT requests with id can guarantee the correct layer, since id is a unique value.

\*\* Attribute "type" is not required when LAYER is a sub tag of a GET\_FEATURES request.

**Sub Tags:***When in MAP or GET\_IMAGE:*

Name	Required	Used for	Occurrences	Notes
DATASET	Y	featureclass, image	one	
OBJECT	Y	acetate	many	
COORDSYS	N	featureclass	one	
DENSIFY	N	featureclass	one	
EXTENSION	N	featureclass	many	Used only in CONFIG, not in GET_IMAGE

GROUPRENDERER*	N	featureclass	one	
QUERY**	N	featureclass, image	one	
SCALEDEPENDENTRENDERER*	N	featureclass	one	
SIMPLELABELRENDERER*	N	featureclass	one	
SIMPLERENDERER*	N	featureclass	one	
SPATIALQUERY**	N	featureclass, image	one	
VALUEMAPLABELRENDERER*	N	featureclass	one	
VALUEMAPRENDERER*	N	featureclass	one	

\* Use only one renderer at a time.

\*\* Either QUERY or SPATIALQUERY can be used, but not both.

When in *GET\_FEATURES*, *GET\_EXTRACT* or *GET\_GEOCODE*:

None

#### Purpose:

Defines a map layer. Also used to create selection sets. Layers of type featureclass use point, line, and polygon data from shapefiles or ArcSDE. Layers of type image are used for displaying images. Layers of type acetate are used to display additional objects on the map.

#### Restrictions:

None

#### Notes

- Only one renderer may be defined.
- Many OBJECTs may be defined in one acetate layer.
- For ArcSDE layers, DATASET must be defined before renderer.
- MinScale, MaxScale may define scale as a Map Units/pixel value (in this case it has a double value) or as a relative factor scale (in this case it has a form of m:n, where m,n are positive integer numbers).

#### Example:

1) When in CONFIG:

```
<ARCXML version="1.0.1">
  <CONFIG>
    <MAP>
      <PROPERTIES>
        <ENVELOPE minx="-105.594842" miny="-49.955227" maxx="75.672764"
          maxy="83.596039" name="Initial_Extent" />
        <MAPUNITS units="DECIMAL_DEGREES" />
      </PROPERTIES>
      <WORKSPACES>
        <SHAPEWORKSPACE name="shp_ws-0" directory="<path to data>" />
      </WORKSPACES>
      <LAYER type="featureclass" name="CITIES" visible="true" id="2">
        <DATASET name="CITIES" type="point" workspace="shp_ws-0" />
        <SIMPLERENDERER>
          <SIMPLEMARKERSYMBOL type="square" width="5" />
        </SIMPLERENDERER>
      </LAYER>
    </MAP>
  </CONFIG>
</ARCXML>
```

2) When in REQUEST:

```
<REQUEST>
  <GET_FEATURES outputmode="xml" compact="true">
    <LAYER id="2" />
    <QUERY subfields="NAME #SHAPE# #ID#" where="NAME=&apos;CA&apos;" />
  </GET_FEATURES>
</REQUEST>
```

**LAYERDEF****Tag Name:** LAYERDEF**Used in:** REQUEST**Parent Tags:** LAYERLIST**Attributes:**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
id	Y*	string	N/A	N/A	Layer's unique id
name	N*	string	N/A	N/A	Layer's name
type	N**	string	N/A	line, point, polygon	Required when a renderer is used as a sub tag
visible	N	boolean specified values	as defined in CONFIG AXL file	true, false	Turns layer on/off

\* Use name only if the layer defined in the CONFIG AXL file has no ID. Names can be used to send a request to an Image Server, but not to a Query Server. An Image Server will apply the request to all layers of this name. The id has to be specified in a request to the Query Server to make sure it picks the right layer. Otherwise if the name is used and the id is not specified in the request, the Server will apply the query to the first layer it finds with this name.

\*\* Use type only if a renderer is specified.

**Sub Tags:**

Name	Required	Occurrences	Notes
GROUPRENDERER*	N	one	
QUERY**	N	one	
SCALEDEPENDENTRENDERER*	N	one	
SIMPLELABELRENDERER*	N	one	
SIMPLERENDERER*	N	one	
SPATIALQUERY**	N	one	
VALUEMAPLABELRENDERER*	N	one	
VALUEMAPRENDERER*	N	one	

\* Only one renderer may be specified.

\*\* Only one QUERY or SPATIALQUERY may be specified.

**Purpose:**

Defines new properties for the layer to be drawn on the map. With this tag, you can redefine CONFIG settings for a particular layer, switch a layer on/off, etc.

**Restrictions:**

Used only in REQUEST for Image and Extract Server.

**Notes**

New queries added are restricted by any queries that are already defined for this layer.

**Example:**

```
<GET_IMAGE>
  <PROPERTIES>
    <LAYERLIST>
      <LAYERDEF name="Cities" type="point">
        <SIMPLERENDERER>
          <TRUETYPEMARKERSYMBOL transparency="0.5" glowing="0,255,255"
            shadow="0,0,0" font="ESRI Cartography" fontstyle="bolditalic">
```

```
        character="252" fontcolor="255,255,0" fontsize="16" angle="90"
        antialiasing="false" overlap="true" />
    </SIMPLERENDERER>
    </LAYERDEF>
</LAYERLIST>

<ENVELOPE minx="-180" miny="-90" maxx="180" maxy="90" />
<IMAGE SIZE width="500" height="400" />

</PROPERTIES>
</GET_IMAGE>
```

**LAYERINFO****Tag Name:** LAYERINFO**Used in:** RESPONSE**Parent Tags:** SERVICEINFO**Attributes**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
type	Y	string	As defined in AXL configuration file	featureclass, image	Shows type of layer
id	N	string	N/A	As defined in AXL configuration file	Unique layer ID
maxscale	N	string	If defined in AXL configuration file	N/A	Maximum scale to draw map; doesn't apply unless set for MapService
minscale	N	string	If defined in AXL configuration file	N/A	Minimum scale to draw map; doesn't apply unless set for MapService
name	N	string	N/A	As defined in AXL configuration file	Layer name
visible	N	boolean specified values	As defined in AXL configuration file	true, false	Turns layer on/off

**Sub Tags:***When the layer is a feature layer:*

Name	Required	Occurrences	Notes
FCLASS	Y	one	
EXTENSION	N	one	
GROUPRENDERER	N	one	
SCALEDEPENDTRENDRER	N	one	
SIMPLELABELRENDERER	N	one	
SIMPLERENDERER	N	one	
VALUEMAPLABELRENDERER	N	one	
VALUEMAPRENDERER	N	one	

*When the layer is an image layer:*

Name	Required	Occurrences	Notes
ENVELOPE	Y	one	

No information is returned for acetate layers.

**Purpose :**

Contains layer information.

**Restrictions:**

None

**Notes**

- All layer fields are described in FCLASS sub tag. For each feature class, it shows the layer's envelope and all available fields. Field information is comprised of name, type, size, and precision.
- If any extensions were defined for this LAYER in CONFIG, then information about all these extensions will also be returned in EXTENSION tags.

**Example:**

```
<?xml version="1.0"?>
<ARCXML version="1.0">
<RESPONSE>
<SERVICEINFO>
  <LAYERINFO type="featureclass" visible="true" name="REDLANDS.STREET">
<FCLASS type="line">
<ENVELOPE minx="-166" miny="36" maxx="-81" maxy="70" />
<FIELD name="BUS_FID" type="-98" size="10" precision="0" />
<FIELD name="SE_ROW_ID" type="-99" size="16" precision="0" />
<FIELD name="ESRI_ID" type="12" size="32" precision="0" />
<FIELD name="CFCC" type="12" size="3" precision="0" />
</FCLASS>
<SIMPLERENDERER >
<SIMPLELINESYMBOL type="solid" width="1" />
</SIMPLERENDERER>
<EXTENSION type="geocode">
<GCSTYLE name="USAddressZ" />
</EXTENSION>

  </LAYERINFO>
</SERVICEINFO>
</RESPONSE>
</ARCXML>
```

**LAYERLIST****Tag Name:** LAYERLIST**Used in:** REQUEST**Parent Tags:** PROPERTIES**Attributes:**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
order	N	boolean specified values	false	true, false	Draws layers in order specified
nodefault	N	boolean specified values	false	true, false	Layers not in list should not display

**Sub Tags:**

Name	Required	Occurrences	Notes
LAYERDEF	N	many	

**Purpose:**

Defines list of layers to be drawn on the map or extracted.

**Restrictions:**

Used only in REQUEST for Image Server and Extract Server.

**Notes**

- If order is specified as true, only layers listed are drawn.
- Original acetate layers that were defined in CONFIG will not show if order attribute is set to true unless this acetate layer was added to the list of layers to be drawn.

**Example:**

```
<GET_IMAGE>
  <PROPERTIES>
    <LAYERLIST>
      <LAYERDEF name="Cities" type="point">
        <SIMPLERENDERER>
          <TRUETYPEMARKERSYMBOL transparency="0.5" glowing="0,255,255"
            shadow="0,0,0" font="ESRI Cartography" fontstyle="bolditalic"
            character="252" fontcolor="255,255,0" fontsize="16" angle="90"
            antialiasing="false" overlap="true" />
        </SIMPLERENDERER>
      </LAYERDEF>
    </LAYERLIST>
    <ENVELOPE minx="-180" miny="-90" maxx="180" maxy="90" />
    <IMAGESIZE width="500" height="400" />
  </PROPERTIES>
</GET_IMAGE>
```

**LEGEND****Tag Name:** LEGEND**Used in:** CONFIG, REQUEST, RESPONSE**Parent Tags:** PROPERTIES, IMAGE**Attributes:***When parent tag is PROPERTIES:*

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
autoextend	N	boolean specified values	true	true, false	If true, automatically extends legend vertically past size specified in height, if needed
backgroundcolor	N	color	N/A	0,0,0 – 255,255,255	Legend's background color
cansplit	N	boolean specified values	false	true, false	Allows splitting of valuemap layers between columns
cellspacing	N	integer	3	N/A	Defines number of pixels to pad between entries
columns	N	integer	1	N/A	Defines number of columns in legend
display	N	boolean specified values	true	true, false	Turns legend on/off
font	N	string	Arial	Any system font	Title's font name
height	N	integer	300	N/A	Legend height in pixels
layerfontsize	N	integer	10	N/A	Font size of layer name's label
reverseorder	N	boolean specified values	false	true, false	Reverse order of layers
splittext	N	string	(cont)	N/A	Text that displays in bottom of every column that has been split for valuemap
swatchheight	N	integer	12	N/A	Swatch height
swatchwidth	N	integer	18	N/A	Swatch width
title	N	string	N/A	N/A	Title of legend
titlefontsize	N	integer	12	N/A	Title's font size
transcolor	N	color	N/A	0,0,0– 255,255,255	Set if transparency is needed
width	N	integer	125	N/A	Legend width in pixels
valuefontsize	N	integer	8	N/A	Value label font size

*When parent tag is IMAGE:*

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
file	Y	string	N/A	N/A	File name generated for legend
url	Y	string	N/A	N/A	URL where image is published

**Sub Tags:**

None

**Purpose:**

Defines the map's legend. When used in CONFIG the legend will be generated each time the map is generated.

**Restrictions:**

Used only for Image Server.

**Notes**

None

**Example:**

## 1) When in CONFIG:

```
<ARCXML version="1.0.1">
  <CONFIG>
    <MAP>
      <PROPERTIES>
        <ENVELOPE minx="-105.594842" miny="-49.955227" maxx="75.672764"
maxy="83.596039" name="Initial_Extent" />
        <MAPUNITS units="DECIMAL_DEGREES" />
        <LEGEND title="Legend" font="Arial" autoextend="true" columns="2"
width="170" height="300" backgroundcolor="255,255,255" />
      </PROPERTIES>

      <WORKSPACES>
        <SHAPEWORKSPACE name="shp_ws-0" directory="<path to data>" />
      </WORKSPACES>

      <LAYER type="featureclass" name="CITIES" visible="true" id="2">
        <DATASET name="CITIES" type="point" workspace="shp_ws-0" />
        <SIMPLERENDERER>
          <SIMPLEMARKERSYMBOL type="square" width="5" />
        </SIMPLERENDERER>
      </LAYER>
    </MAP>
  </CONFIG>
</ARCXML>
```

## 2) When in RESPONSE:

```
<?xml version="1.0"?>
<ARCXML version="1.0">
<RESPONSE>
<IMAGE>
  <LEGEND file="D:\ArcIMS\output\ISextensions_4094163.jpg"
url="http://test/output/ISextensions_4094163.jpg" />
</IMAGE>
</RESPONSE>
</ARCXML>
```

## 3) When in REQUEST:

```
<REQUEST>
<GET_IMAGE>
<PROPERTIES>
  <LEGEND title="Legend" font="Arial" autoextend="true" columns="2" width="170"
height="300" backgroundcolor="255,255,255" />
  <DRAW map="false" />
  <OUTPUT path="D:\ArcIMS" type="PNG" />
</PROPERTIES>
  <LAYER type="featureclass" name="STREETS" visible="true" id="1">
    <DATASET name="STREETS" type="line" workspace="shp_ws-16" />
  </LAYER>
</GET_IMAGE>
</REQUEST>
</ARCXML>
```

**LINE****Tag Name:** LINE**Used in:** CONFIG, REQUEST**Parent Tags:** OBJECT**Attributes:**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
coords	Y	string	N/A	x,y,x,y...	Line coordinates; comma delimited values

**Sub Tags:**

Name	Required	Occurrences	Notes
SIMPLEMARKERSYMBOL	N	one	
TRUETYPEMARKERSYMBOL	N	one	
RASTERMARKERSYMBOL	N	one	
SIMPLELINESYMBOL	N	one	
HASHLINESYMBOL	N	one	

Use only one symbol.

**Purpose:**

Used to define a line to be drawn on the acetate layer.

**Restrictions:**

Line must be continuous with no breaks.

**Notes**

None

**Example:**

1) When in CONFIG:

```
<?xml version="1.0" encoding="Cp1252"?>

<ARCXML version="1.0.1">
  <CONFIG>
    <MAP>
      <PROPERTIES>
        <ENVELOPE minx="-141.003006" miny="41.913319" maxx="-52.620281" maxy="83.108322"
name="Initial_Extent" />
        <MAPUNITS units="DECIMAL_DEGREES" />
      </PROPERTIES>
      <WORKSPACES>
        <SHAPEWORKSPACE name="shp_ws-16" directory="<path to data>" />
      </WORKSPACES>
      <LAYER type="featureclass" name="province" visible="true" id="0">
        <DATASET name="province" type="polygon" workspace="shp_ws-16" />
        <SIMPLERENDERER>
          <SIMPLEPOLYGONSYMBOL fillcolor="227,127,227" filltype="solid" />
        </SIMPLERENDERER>
      </LAYER>
      <LAYER type="acetate" name="Selectedmark">
        <OBJECT units="pixel">
          <LINE coords="0,0,400,0,400,13,0,13,0,0">
            <SIMPLELINESYMBOL color="0,0,0" />
          </LINE>
        </OBJECT>
      </LAYER>
    </MAP>
  </CONFIG>
</ARCXML>
```

```
</MAP>  
</CONFIG>  
</ARCXML>
```

2) When in REQUEST:

```
<REQUEST>  
  <GET_IMAGE>  
    <PROPERTIES>  
      <ENVELOPE minx="-180" miny="-90" maxx="180" maxy="90" />  
      <IMAGESIZE width="643" height="502" />  
    </PROPERTIES>  
    <LAYER type="acetate" name="acetate">  
      <OBJECT units="pixel">  
        <LINE coords="0,0,400,0,400,13,0,13,0,0">  
          <SIMPLELINESYMBOL color="0,0,0" />  
        </LINE>  
      </OBJECT>  
    </LAYER>  
  </GET_IMAGE>  
</REQUEST>
```

**MAP****Tag Name:** MAP**Used in:** CONFIG**Parent Tags:** CONFIG**Attributes:**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
dynamic	N	boolean specified values	false	true, false	Allows users to add layers to MapService on the fly without having to add them to MapService configuration file itself; only used with Image and Extract Server

**Sub Tags:**

Name	Required	Occurrences	Notes
LAYER	Y	many	
PROPERTIES	Y	one	
WORKSPACES	Y	one	

**Purpose:**

Describes map content in the CONFIG file.

**Restrictions:**

None

**Notes**

None

**Example:**

```
<?xml version="1.0" encoding="Cp1252"?>
<ARCXML version="1.0.1">
  <CONFIG>
    <MAP>
      <PROPERTIES>
        <ENVELOPE minx="-105.594842" miny="-49.955227" maxx="75.672764"
          maxy="83.596039" name="Initial_Extent" />
        <MAPUNITS units="DECIMAL_DEGREES" />
      </PROPERTIES>
      <WORKSPACES>
        <SHAPEWORKSPACE name="shp_ws-0" directory="<path to data>" />
      </WORKSPACES>
      <LAYER type="featureclass" name="CITIES" visible="true" id="2">
        <DATASET name="CITIES" type="point" workspace="shp_ws-0" />
        <SIMPLERENDERER>
          <SIMPLEMARKERSYMBOL type="square" width="5" />
        </SIMPLERENDERER>
      </LAYER>
    </MAP>
  </CONFIG>
</ARCXML>
```

**MAPUNITS****Tag Name:** MAPUNITS**Used in:** CONFIG**Parent Tags:** PROPERTIES**Attributes:**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
units	Y	specified values	DECIMAL_DEGREES	DECIMAL_DEGREES, MILES, FEET, KILOMETERS, MILES	Map units for layer

**Sub Tags:**

None

**Purpose:**

Defines data map units.

**Restrictions:**

None

**Notes**

None

**Example:**

1) When in CONFIG:

```

<?xml version="1.0" encoding="Cp1252"?>
<ARCXML version="1.0.1">
  <CONFIG>
    <MAP>
      <PROPERTIES>
        <ENVELOPE minx="-105.594842" miny="-49.955227" maxx="75.672764"
maxy="83.596039" name="Initial_Extent" />
        <MAPUNITS units="DECIMAL_DEGREES" />
      </PROPERTIES>
      <WORKSPACES>
        <SHAPEWORKSPACE name="shp_ws-0" directory="<path to data>" />
      </WORKSPACES>
      <LAYER type="featureclass" name="CITIES" visible="true" id="2">
        <DATASET name="CITIES" type="point" workspace="shp_ws-0" />
        <SIMPLERENDERER>
          <SIMPLEMARKERSYMBOL type="square" width="5" />
        </SIMPLERENDERER>
      </LAYER>
    </MAP>
  </CONFIG>
</ARCXML>

```

2) When in REQUEST:

```

<?xml version="1.0"?>
<ARCXML version="1.0">
<REQUEST>
<GET_IMAGE>
<PROPERTIES>
  <MAPUNITS units="DECIMAL_DEGREES" />
</PROPERTIES>
</GET_IMAGE>
</REQUEST>
</ARCXML>

```

**MARKUPLAYER****Tag Name:** MARKUPLAYER**Used in:** MARKUP**Parent Tags:** MARKUP**Attributes:**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
layername	Y	string	N/A	N/A	Layer name
workspace	Y	string	N/A	N/A	Reference to data location in WORKSPACES

**Sub Tags:**

Name	Required	Occurrences	Notes
ADDEDFEATURES	N	one	
DELETEDFEATURES	N	one	
MODIFIEDFEATURES	N	one	

**Purpose:**

Identifies the layer used during an EditNotes session.

**Restrictions:**

None

**Notes**

None

**Example:**

```
<?xml version="1.0"?>
<MARKUP>
  <WORKSPACES>
    <FEATURESERVERWORKSPACE name="ifs_ws-20"
url="http://zephyr/servlet/com.esri.esrimap.Esrimap" service="world" />
  </WORKSPACES>
  <MARKUPLAYER layername="CNTRY94" workspace="ifs_ws-20">
    <MODIFIEDFEATURES>
      <FEATURE featureid="1000001">
        <ENVELOPE minx="79.7" miny="-59.0" maxx="113.9" maxy="-42.4" />
        <FIELD name="AREA" precision="3" size="12" type="8">
          <FIELDVALUE valuetype="string" value="10202" />
        </FIELD>
        <FIELD name="NAME" precision="0" size="40" type="12">
          <FIELDVALUE valuetype="string" value="Atlantis" />
        </FIELD>
        <FIELD name="#SHAPE#" precision="0" size="0" type="-98">
          <FIELDVALUE>
            <POLYGON>
              <RING>
                <POINT x="85.61944739721136" y="-42.43367913036056" />
                <POINT x="113.93068023991125" y="-46.33867676383642" />
                <POINT x="80.25007565118213" y="-55.12492143915705" />
                <POINT x="85.61944739721136" y="-42.43367913036056" />
              </RING>
            </POLYGON>
          </FIELDVALUE>
        </FIELD>
      </FEATURE>
    </MODIFIEDFEATURES>
  </MARKUPLAYER>
</MARKUP>
```

## MODIFIEDFEATURES

**Tag Name:** MODIFIEDFEATURES

**Used in:** MARKUP

**Parent Tags:** MARKUPLAYER

**Attributes:** None

**Sub Tags:**

Name	Required	Occurrences	Notes
FEATURE	N	many	

**Purpose:**

Defines features modified in a layer during an EditNotes session.

**Restrictions:**

None

**Notes**

None

**Example:**

```
<?xml version="1.0"?>
<MARKUP>
  <WORKSPACES>
    <FEATURESERVERWORKSPACE name="ifs_ws-20"
url="http://zephyr/servlet/com.esri.esrimap.Esrimap" service="world" />
  </WORKSPACES>
  <MARKUPLAYER layername="CNTRY94" workspace="ifs_ws-20">
    <MODIFIEDFEATURES>
      <FEATURE featureid="1000001">
        <ENVELOPE minx="79.7" miny="-59.0" maxx="113.9" maxy="-42.4" />
        <FIELD name="AREA" precision="3" size="12" type="8">
          <FIELDVALUE valuestring="10202" />
        </FIELD>
        <FIELD name="NAME" precision="0" size="40" type="12">
          <FIELDVALUE valuestring="Atlantis" />
        </FIELD>
        <FIELD name="#SHAPE#" precision="0" size="0" type="-98">
          <FIELDVALUE>
            <POLYGON>
              <RING>
                <POINT x="85.61944739721136" y="-42.43367913036056" />
                <POINT x="113.93068023991125" y="-46.33867676383642" />
                <POINT x="80.25007565118213" y="-55.12492143915705" />
                <POINT x="85.61944739721136" y="-42.43367913036056" />
              </RING>
            </POLYGON>
          </FIELDVALUE>
        </FIELD>
      </FEATURE>
    </MODIFIEDFEATURES>
  </MARKUPLAYER>
</MARKUP>
```

**MULTIPOINT****Tag Name:** MULTIPOINT**Used in:** CONFIG, MARKUP, REQUEST, RESPONSE**Parent Tags:** FIELDVALUE, FEATURE, SPATIALFILTER**Attributes:** None**Sub Tags:**

Name	Required	Occurrences	Notes
COORDS	Y/N*	one	
POINT	Y/N*	many	

\* Either COORDS or POINT is required.

**Purpose :**

Represents data for a point feature value.

**Restrictions:**

None

**Notes**

None

**Example:**

1) When in CONFIG and parent tag is SPATIALFILTER:

```

<CONFIG>
  <MAP>
    <PROPERTIES>
      <ENVELOPE minx="-180.0" miny="-152.99999999999997" maxx="180.0"
maxy="153.00000000000003" />
      <LEGEND title="Legend" />
    </PROPERTIES>
    <WORKSPACES>
      <SHAPEWORKSPACE name="shp_ws-0" directory="<path to data>" />
    </WORKSPACES>
    <LAYER type="Featureclass" name="Cities" visible="true">
      <DATASET name="cities" type="point" workspace="shp_ws-0" />
      <SPATIALQUERY>
        <SPATIALFILTER relation="area_intersection">
          <MULTIPOINT>
            <POINT x="-128.1079549837513" y="81.99815142335011" />
            <POINT x="-123.99468788980437" y="77.88488432940315" />
            <POINT x="-123.99468788980437" y="77.88488432940315" />
          </MULTIPOINT>
        </SPATIALFILTER>
      </SPATIALQUERY>
      <SIMPLERENDERER>
        <TRUETYPEMARKERSYMBOL transparency="0.5" glowing="0,255,255" shadow="0,0,0"
font="ESRI Cartography" fontstyle="bolditalic" character="252"
fontcolor="255,255,0" fontsize="16" angle="90" antialiasing="false"
overlap="true" />
      </SIMPLERENDERER>
    </LAYER>
  </MAP>
</CONFIG>

```

## 2) When in MARKUP:

```
<MARKUP>
  <WORKSPACES>
    <SHAPEWORKSPACE name="shp_ws-0" directory="<path to data>" />
  </WORKSPACES>
  <MARKUPLAYER layername="STATES" workspace="shp_ws-0">
    <DELETEDFEATURES deletedFeatures="1">
      <FEATURE featureid="50">
        <ENVELOPE minx="-178.215027" miny="51.584435" maxx="-129.99054" maxy="71.406647" />
        <FIELD name="#SHAPE#" precision="0" size="0" type="-98">
          <FIELDVALUE>
            <MULTIPOINT>
              <POINT x="-113.33758678275998" y="78.81971775984563" />
            </MULTIPOINT>
          </FIELDVALUE>
        </FIELD>
        <FIELD name="STATE_NAME" precision="0" size="25" type="12">
          <FIELDVALUE valuestring="Alaska" />
        </FIELD>
      </FEATURE>
    </DELETEDFEATURES>
  </MARKUPLAYER>
</MARKUP>
```

## 3) When in REQUEST:

```
<REQUEST>
  <GET_IMAGE>
    <PROPERTIES>
      <ENVELOPE minx="-180" miny="-90" maxx="180" maxy="90" />
      <IMAGESIZE width="643" height="502" />
    </PROPERTIES>

    <LAYER type="featureclass" name="select layer" visible="true">
      <DATASET fromlayer="Countries" />
      <SPATIALQUERY>
        <SPATIALFILTER relation="area_intersection">
          <MULTIPOINT>
            <POINT x="-113.33758678275998" y="78.81971775984563" />
          </MULTIPOINT>
        </SPATIALFILTER>
      </SPATIALQUERY>
      <SIMPLERENDERER>
        <SIMPLEPOLYGONSMBOL color="255,255,255" type="cross" />
      </SIMPLERENDERER>
    </LAYER>
  </GET_IMAGE>
</REQUEST>
```

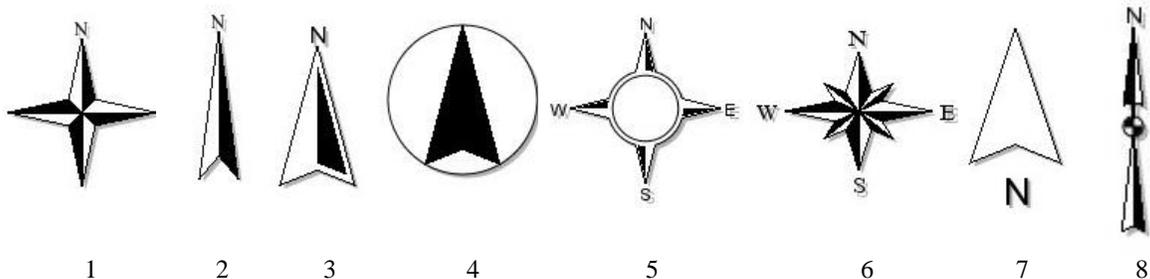
## 4) When in RESPONSE, if a GET\_FEATURES request is sent to the server with attributes outputmode="xml" and geometry="true", MULTIPOINT will be returned in the RESPONSE describing the feature:

```
<?xml version="1.0"?>
<ARCXML version="1.0">
  <RESPONSE>
    <FEATURES>
      <FEATURE>
        <FIELDS NAME="Cairo" #SHAPE#="[Geometry]" #ID#="181" />
        <MULTIPOINT>
          <POINT x="31.250797" y="30.077911" />
        </MULTIPOINT>
      </FEATURE>
      <FEATURE>
        <FIELDS NAME="Aswan" #SHAPE#="[Geometry]" #ID#="391" />
        <MULTIPOINT>
          <POINT x="32.950001" y="24.080000" />
        </MULTIPOINT>
      </FEATURE>
      <FEATURE>
        <FIELDS NAME="Suez" #SHAPE#="[Geometry]" #ID#="402" />
      </FEATURE>
    </FEATURES>
  </RESPONSE>
</ARCXML>
```

```
<MULTIPOINT>
  <POINT x="32.560001" y="29.959999" />
</MULTIPOINT>
</FEATURE>
<FEATURE>
  <FIELDS NAME="Alexandria" #SHAPE#="[Geometry]" #ID#="403" />
  <MULTIPOINT>
    <POINT x="29.977810" y="31.074604" />
  </MULTIPOINT>
</FEATURE>
<FEATURE>
  <FIELDS NAME="El-Giza" #SHAPE#="[Geometry]" #ID#="509" />
  <MULTIPOINT>
    <POINT x="30.850000" y="30.469999" />
  </MULTIPOINT>
</FEATURE>
<FEATURECOUNT count="5" hasmore="false" />
</FEATURES>
</RESPONSE>
</ARCXML>
```

**NORTHARROW****Tag Name:** NORTHARROW**Used in:** CONFIG, REQUEST**Parent Tags:** OBJECT**Attributes:**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
coord	Y	XY	N/A	N/A	Any negative or positive points within image
type	Y	integer	1	1 – 8	Choose North Arrow type (see below)
angle	N	double	90 degrees	Any positive integer number	Angle at which to turn north arrow moving counterclockwise
antialiasing	N	boolean specified values	false	true, false	Turns antialiasing on/off
outline	N	color	N/A	0,0,0 – 255, 255, 255	Outline color
overlap	N	boolean specified values	true	true, false	Overlap trigger
shadow	N	color	N/A	0,0,0 – 255, 255, 255	Shadow color
size	N	integer	30		Arrow size
transparency	N	double	1.0	0.0 – 1.0	Transparency coefficient

**Arrow Types:****Sub Tags:**

None

**Purpose:**

Use to place a north arrow on the acetate layer of the map. There are several different north arrows that can be displayed.

**Restrictions:**

None

**Notes**

Users can display new images for the north arrow by adding a POINT to an acetate layer and applying a symbol that uses an image to draw it. Symbols used can be

RASTERMARKERSYMBOL and TRUETYPEMARKERSYMBOL. Please refer to these tags for more information.

**Example:**

## 1) When in CONFIG:

```
<CONFIG>
  <MAP>
    <PROPERTIES>
      <ENVELOPE minx="-180.0" miny="-152.9999999999997" maxx="180.0"
maxy="153.00000000000003" />
      <LEGEND title="Legend" />
    </PROPERTIES>

    <WORKSPACES>
      <SHAPEWORKSPACE name="shp_ws-0" directory="<path to data>" />
    </WORKSPACES>

    <LAYER type="Featureclass" name="Countries94" visible="true">
      <DATASET name="cntry94" type="polygon" workspace="shp_ws-0" />
      <QUERY where="NAME LIKE &apos;A%&apos;" />
      <SIMPLERENDERER>
        <SIMPLEPOLYGONSYMBOL color="255,0,0" type="solid" />
      </SIMPLERENDERER>
    </LAYER>

    <LAYER type="Acetate" name="test" visible="true">
      <OBJECT units="pixel">
        <NORTHARROW type="4" size="15" coord="20,30" shadow="32,32,32" angle="90"
antialiasing="True" overlap="False" />
      </OBJECT>
    </LAYER>
  </MAP>
</CONFIG>
```

## 2) When in REQUEST:

```
<REQUEST>
  <GET_IMAGE>
    <PROPERTIES>
      <ENVELOPE minx="-180" miny="-90" maxx="180" maxy="90" />
      <IMAGESIZE width="643" height="502" />
    </PROPERTIES>
    <LAYER type="acetate" name="acetate">
      <OBJECT units="pixel">
        <NORTHARROW type="4" size="15" coord="20,30"
shadow="32,32,32" angle="90" antialiasing="True"
overlap="False" />
      </OBJECT>
    </LAYER>
  </GET_IMAGE>
</REQUEST>
```

**OBJECT****Tag Name:** OBJECT**Used in:** CONFIG, REQUEST**Parent Tags:** LAYER**Attributes:**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
units	N	specified values	database	database, pixel	Determines how coordinates of object are specified
lower	N	double	1:1	N/A	Lower threshold at which to display object
upper	N	double	1:infinity	N/A	Upper threshold at which to display object

**Sub Tags:**

Name	Required	Occurrence	Notes
POINT	N	one	
LINE	N	one	
POLYGON	N	one	
TEXT	N	one	
SCALEBAR	N	one	
NORTHARROW	N	one	

One sub tag must be specified.

**Purpose:**

Defines the scale thresholds and units of an object to be placed on an acetate layer.

**Restrictions:**

- Acetate layers added to a MapService configuration file can only be used for Image MapServices, they cannot be used for Feature MapServices.
- Acetate layers are visible only in HTML Viewers.

**Notes**

- Units of type="database" are given in map units.
- Units of type="pixel" are given in pixels.
- Units are counted from the lower left corner of the map frame.

**Example:**

1) When in CONFIG:

```
<?xml version="1.0" encoding="Cp1252"?>

<ARCXML version="1.0.1">
  <CONFIG>
    <MAP>
      <PROPERTIES>
        <ENVELOPE minx="-141.003006" miny="41.913319" maxx="-52.620281" maxy="83.108322"
name="Initial_Extent" />
        <MAPUNITS units="DECIMAL_DEGREES" />
      </PROPERTIES>
      <WORKSPACES>
        <SHAPEWORKSPACE name="shp_ws-16" directory="<path to data>" />
      </WORKSPACES>
      <LAYER type="featureclass" name="province" visible="true" id="0">
        <DATASET name="province" type="polygon" workspace="shp_ws-16" />
        <SIMPLERENDERER>
          <SIMPLEPOLYGONSYMBOL fillcolor="227,127,227" filltype="solid" />
        </SIMPLERENDERER>
      </LAYER>
    </MAP>
  </CONFIG>
</ARCXML>
```

```
</LAYER>
<LAYER type="acetate" name="Selectedmark">
  <OBJECT units="pixel">
    <LINE coords="0,0,400,0,400,13,0,13,0,0">
      <SIMPLELINESYMBOL color="0,0,0" />
    </LINE>
  </OBJECT>
</LAYER>

</MAP>
</CONFIG>
</ARCXML>
```

## 2) When in REQUEST:

```
<ARCXML version="1.0">
  <REQUEST>
    <GET_IMAGE>
      <PROPERTIES>
        <ENVELOPE minx="-180" miny="-90" maxx="180" maxy="90" />
        <IMAGESIZE width="643" height="502" />
      </PROPERTIES>
      <LAYER type="acetate" name="acetate">
        <OBJECT units="pixel">
          <TEXT coord="100,100" label="You are here">
            <TEXTMARKERSYMBOL font="Arial" />
          </TEXT>
        </OBJECT>
      </LAYER>
    </GET_IMAGE>
  </REQUEST>
</ARCXML>
```

**OUTPUT****Tag Name:** OUTPUT**Used in:** CONFIG, REQUEST, RESPONSE**Parent Tags:** PROPERTIES, IMAGE, EXTRACT**Attributes:***When in OUTPUT is a sub tag of IMAGE:*

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
file	Y	string	N/A	N/A	Name of file containing image generated under Server's output directory
url	Y	string	N/A	N/A	Output file url

*When OUTPUT is a sub tag of PROPERTIES:*

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
name	N	string	N/A	N/A	Output filename
url	N	string	N/A	N/A	Output file url
type	N	specified values	JPG	GIF, JPG, PNG	Output file type
path	N	string	N/A	N/A	Output file path
baseurl	N	string	N/A	N/A	Output file base url for output directory

**Sub Tags:**

None

**Purpose:**

Defines parameters for output image or archive.

**Restrictions:**

Used only for Image Server and Extract Server.

**Notes**

None

**Example:**

1) When in CONFIG:

```

<ARCXML version="1.0">
  <CONFIG>
    <MAP>
      <PROPERTIES>
        <ENVELOPE minx="-180.0" miny="-152.99999999999997" maxx="180.0"
maxy="153.00000000000003" />
        <LEGEND title="Legend" />
        <OUTPUT path="C:\ARCIMS\MyFiles\" />
      </PROPERTIES>

      <WORKSPACES>
        <SHAPEWORKSPACE name="shp_ws-0" directory="<path to data>" />
      </WORKSPACES>

      <LAYER type="Featureclass" name="Grid" visible="true">
        <DATASET name="world30" type="polygon" workspace="shp_ws-0" />
        <SIMPLERENDERER>
          <SIMPLEPOLYGONSMBOL color="0,0,100" type="solid" />
        </SIMPLERENDERER>

```

```
</LAYER>
</MAP>
</CONFIG>
</ARCXML>
```

## 2) When in REQUEST:

```
<ARCXML version="1.0">
  <REQUEST>
    <GET_IMAGE>
      <PROPERTIES>
        <ENVELOPE minx="-180" miny="-90" maxx="180" maxy="90" />
        <IMAGESIZE width="643" height="502" />
        <OUTPUT path="C:\ARCIMS\MyFiles\" />
      </PROPERTIES>
      <LAYER type="acetate" name="acetate">
        <OBJECT units="pixel">
          <TEXT coord="100,100" label="You are here">
            <TEXTMARKERSYMBOL font="Arial" />
          </TEXT>
        </OBJECT>
      </LAYER>
    </GET_IMAGE>
  </REQUEST>
</ARCXML>
```

## 3) When in RESPONSE:

```
< RESPONSE>
  < IMAGE>
    < ENVELOPE minx="-80.00000000" miny="-56.00000000"
maxx="80.00000000" maxy="56.00000000" />
    < OUTPUT file="F:\WorldMap_bytebait16114829.jpg"
url="http://rsa2/maps/WorldMap_bytebait16114829.jpg" />
  </IMAGE>
</RESPONSE>
```

**OVERVIEWMAP****Tag Name:** OVERVIEWMAP**Used in:** CONFIG**Parent Tags:** CONFIG**Attributes:**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
backgroundcolor	N	color	255,255,255	0,0,0–255, 255, 255	Background color
framefillcolor	N	color	255,0,0	0,0,0–255, 255, 255	Frame fill color
frameoutlinecolor	N	color	255,0,0	0,0,0–255, 255, 255	Frame outline color
zoomfactor	N	double	N/A	Small positive values	Ratio of overview map extent to main map extent

**Sub Tags:**

Name	Required	Occurrences	Notes
LAYERDEF	N	many	If no layers are added to the overview map, it will be on, but with no layers in it

**Purpose:**

Defines an overview map for ArcExplorer 3 and Java Standard Viewers.

**Restrictions:**

Used only for ArcExplorer 3 and Java Standard Viewers.

**Notes**

OVERVIEWMAP will be added to AXL files saved in ArcExplorer 3 if the overview map is open.

**Example:**

```
<?xml version="1.0" encoding="Cp1252"?>
<ARCXML version="1.0.1">
  <CONFIG>
    <MAP>
      <PROPERTIES>
        <ENVELOPE minx="-116.016078" miny="36.252371" maxx="-100.855887" maxy="46.622450"
name="Initial_Extent" />
        <MAPUNITS units="DECIMAL_DEGREES" />
      </PROPERTIES>
      <WORKSPACES>
        <SHAPEWORKSPACE name="shp_ws-0" directory="<path to data>" />
      </WORKSPACES>
      <LAYER type="featureclass" name="STATES" visible="true" id="0">
        <DATASET name="STATES" type="polygon" workspace="shp_ws-0" />
        <SIMPLERENDERER>
          <SIMPLEPOLYGONSYMBOL fillcolor="255,0,0" filltype="solid" />
        </SIMPLERENDERER>
      </LAYER>
      <LAYER type="featureclass" name="CITIES" visible="true" id="1">
        <DATASET name="CITIES" type="point" workspace="shp_ws-0" />
        <SIMPLERENDERER>
          <SIMPLEMARKERSYMBOL color="27,227,227" width="6" />
        </SIMPLERENDERER>
      </LAYER>
    </MAP>
    <OVERVIEWMAP backgroundcolor="255,255,255" framefillcolor="255,0,0"
frameoutlinecolor="255,0,0" zoomfactor="4.0">
      <LAYERDEF name="STATES" />
    </OVERVIEWMAP>
  </CONFIG>
</ARCXML>
```

**PARTITION****Tag Name:** PARTITION**Used in:** CONFIG**Parent Tags:** DATASET**Attributes:**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
name	Y	string	N/A	N/A	Layer name for partition; specifies ArcSDE layer or shapefile

**Sub Tags:**

Name	Required	Occurrences	Note
ENVELOPE	Y	one	Used as the file to publish a MapService

**Purpose:**

A method of grouping multiple layers and treating them as one big layer. A partition can be applied several times on one layer, and it can be used with multiple layers. Partitioned layers can be used on shapefiles and ArcSDE data.

**Restrictions:**

- Partitioned layers cannot be used with the geocoder.
- Partitioned layers cannot have join tables.
- Will not work with StoredQueries.

**Notes**

None

**Example:**

```
<?xml version="1.0" encoding="Cp1252"?>
<ARCXML version="1.0.1">
<CONFIG>
<MAP>
<PROPERTIES>
  <ENVELOPE minx="-170" miny="19" maxx="-66" maxy="72"/>
  <BACKGROUND color="255,255,204"/>
</PROPERTIES>
<WORKSPACES>
  <SDEWORKSPACE name="sde-1" server="redlands" instance="esri_sde"
  user="street_data" password="AFXOR"/>
</WORKSPACES>
<LAYER type="featureclass" name="Streets" visible="true" id="1">
  <DATASET name="REDLANDS.STREET" type="line" workspace="sde-1">
    <PARTITION name="REDLANDS.STREET02">
      <ENVELOPE minx="-168.131000" miny="54.771300" maxx="-129.989000"
      maxy="71.383100"/>
    </PARTITION>
    <PARTITION name="REDLANDS.STREET02">
      <ENVELOPE minx="-159.124000" miny="70.853800" maxx="-158.785000"
      maxy="70.893000"/>
    </PARTITION>
    <PARTITION name="REDLANDS.STREET03">
      <ENVELOPE minx="-167.855000" miny="65.735200" maxx="-167.730000"
      maxy="65.777500"/>
    </PARTITION>
  </DATASET>
<SIMPLERENDERER>
  <SIMPLELINESYMBOL type="solid" width="3" color="102,102,102" />
</SIMPLERENDERER>
</LAYER>
</MAP>
```

**PATH****Tag Name:** PATH**Used in:** CONFIG, MARKUP, REQUEST, RESPONSE**Parent Tags:** POLYLINE**Attributes:** None**Sub Tags:**

Name	Required	Occurrences	Notes
COORDS	Y/N*	one	
POINT	Y/N*	many	

\* Either COORDS or POINT is required.

**Purpose :**

Represents data for a polyline feature.

**Restrictions:**

None

**Notes**

None

**Example:**

1) When in CONFIG:

```

<CONFIG>
  <MAP>

    <PROPERTIES>
    <ENVELOPE minx="-180.0" miny="-152.99999999999997" maxx="180.0"
maxy="153.00000000000003" />
    <LEGEND title="Legend" />
    </PROPERTIES>

    <WORKSPACES>
    <SHAPEWORKSPACE name="shp_ws-0" directory="<path to data>" />
    </WORKSPACES>

    <LAYER type="Featureclass" name="Cities" visible="true">
      <DATASET name="cities" type="point" workspace="shp_ws-0" />
      <SPATIALQUERY>
        <SPATIALFILTER relation="area_intersection">
          <POLYLINE>
            <PATH>
              <POINT x="-128.1079549837513" y="81.99815142335011" />
              <POINT x="-123.99468788980437" y="77.88488432940315" />
              <POINT x="-123.99468788980437" y="77.88488432940315" />
            </PATH>
          </POLYLINE>
        </SPATIALFILTER>
      </SPATIALQUERY>
      <SIMPLERENDERER>
        <TRUETYPEMARKERSYMBOL transparency="0.5" glowing="0,255,255" shadow="0,0,0"
font="ESRI Cartography" fontstyle="bolditalic" character="252"
fontcolor="255,255,0" fontsize="16" angle="90" antialiasing="false"
overlap="true" />
      </SIMPLERENDERER>
    </LAYER>

  </MAP>
</CONFIG>

```

## 2) When in REQUEST:

```
<REQUEST>
  <GET_IMAGE>
  <PROPERTIES>
    <ENVELOPE minx="-180" miny="-90" maxx="180" maxy="90" />
    <IMAGESIZE width="643" height="502" />
  </PROPERTIES>

  <LAYER type="featureclass" name="select layer" visible="true">
    <DATASET fromlayer="Countries" />
    <SPATIALQUERY>
      <SPATIALFILTER relation="area_intersection">
        <POLYLINE>
          <PATH>
            <POINT x="-128.1079549837513" y="81.99815142335011" />
            <POINT x="-123.99468788980437" y="77.88488432940315" />
            <POINT x="-123.99468788980437" y="77.88488432940315" />
          </PATH>
        </POLYLINE>
      </SPATIALFILTER>
    </SPATIALQUERY>
    <SIMPLERENDERER>
      <SIMPLEPOLYGONSYMBOL color="255,255,255" type="cross" />
    </SIMPLERENDERER>
  </LAYER>

</GET_IMAGE>
</REQUEST>
```

## 3) When in RESPONSE:

```
<?xml version="1.0"?>
<ARCXML version="1.0">
  <RESPONSE>
  <FEATURES>
  <FEATURE>
  <FIELDS CUST_ID="4" NAME="Customer 4" #SHAPE#="[Geometry]" #ID#="3" />
  <POLYLINE>
    <PATH>
      <POINT x="-128.1079549837513" y="81.99815142335011" />
      <POINT x="-123.99468788980437" y="77.88488432940315" />
      <POINT x="-123.99468788980437" y="77.88488432940315" />
    </PATH>
  </POLYLINE>
  </FEATURE>
  . . . . .
  <FEATURECOUNT count="55" hasmore="false" />
  </FEATURES>
  </RESPONSE>
</ARCXML>
```

**POINT****Tag Name:** POINT**Used in:** CONFIG, REQUEST, RESPONSE, MARKUP**Parent Tags:** OBJECT, FIELDVALUE, MULTIPOINT, PATH, RING, HOLE**Attributes:***If parent tag is OBJECT:*

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
coord	Y	XY	N/A	N/A	Coordinates for point; comma delimited list

*If parent tag is FIELDVALUE, MULTIPOINT, PATH, or RING:*

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
x	Y	double	N/A	N/A	Coordinates for point
y	Y	double	N/A	N/A	

**Sub Tags:***If parent tag is OBJECT:*

Name	Required	Occurrence	Notes
SIMPLEMARKERSYMBOL	N	one	
TRUETYPEMARKERSYMBOL	N	one	
RASTERMARKERSYMBOL	N	one	

One symbol must be specified.

*If parent tag is FIELDVALUE, MULTIPOINT, PATH, or RING:*

None

**Purpose:**

Renders a point at the given location.

**Restrictions:**

None

**Notes**

None

**Example:**

1) When in CONFIG and parent tag is OBJECT:

```

<?xml version="1.0" encoding="Cp1252"?>

<ARCXML version="1.0.1">
  <CONFIG>
    <MAP>
      <PROPERTIES>
        <ENVELOPE minx="-141.003006" miny="41.913319" maxx="-52.620281" maxy="83.108322"
name="Initial_Extent" />
        <MAPUNITS units="DECIMAL_DEGREES" />
      </PROPERTIES>
      <WORKSPACES>
        <SHAPEWORKSPACE name="shp_ws-16" directory="<path to data>" />
      </WORKSPACES>
      <LAYER type="featureclass" name="province" visible="true" id="0">
        <DATASET name="province" type="polygon" workspace="shp_ws-16" />
        <SIMPLERENDERER>
          <SIMPLEPOLYGONSYMBOL fillcolor="227,127,227" filltype="solid" />
        </SIMPLERENDERER>
      </LAYER>
    </MAP>
  </CONFIG>
</ARCXML>

```

```

    </SIMPLERENDERER>
  </LAYER>
  <LAYER type="acetate" name="Selectedmark">
    <OBJECT units="pixel">
      <POINT coord="250,300">
        <SIMPLEMARKERSYMBOL color="0,0,0" />
      </POINT>
    </OBJECT>
  </LAYER>
</MAP>
</CONFIG>
</ARCXML>

```

## 2) When in CONFIG and parent tag is MULTIPOINT:

```

<CONFIG>
  <MAP>

    <PROPERTIES>
    <ENVELOPE minx="-180.0" miny="-152.9999999999997" maxx="180.0"
maxy="153.00000000000003" />
    <LEGEND title="Legend" />
    </PROPERTIES>

    <WORKSPACES>
    <SHAPEWORKSPACE name="shp_ws-0" directory="<path to data>" />
    </WORKSPACES>

    <LAYER type="Featureclass" name="Cities" visible="true">
      <DATASET name="cities" type="point" workspace="shp_ws-0" />
      <SPATIALQUERY>
        <SPATIALFILTER relation="area_intersection">
          <MULTIPOINT>
            <POINT x="-128.1079549837513" y="81.99815142335011" />
            <POINT x="-123.99468788980437" y="77.88488432940315" />
            <POINT x="-123.99468788980437" y="77.88488432940315" />
          </MULTIPOINT>
        </SPATIALFILTER>
      </SPATIALQUERY>
      <SIMPLERENDERER>
        <TRUETYPEMARKERSYMBOL transparency="0.5" glowing="0,255,255" shadow="0,0,0"
font="ESRI Cartography" fontstyle="bolditalic" character="252"
fontcolor="255,255,0" fontsize="16" angle="90" antialiasing="false"
overlap="true" />
      </SIMPLERENDERER>
    </LAYER>

  </MAP>
</CONFIG>

```

## 3) When in REQUEST:

```

<REQUEST>
  <GET_IMAGE>
  <PROPERTIES>
    <ENVELOPE minx="-180" miny="-90" maxx="180" maxy="90" />
    <IMAGESIZE width="643" height="502" />
  </PROPERTIES>
  <LAYER type="acetate" name="acetate">
    <OBJECT units="pixel">
      <POINT coord="100,100" >
        <SIMPLEMARKERSYMBOL color="0,0,0" />
      </POINT>
    </OBJECT>
  </LAYER>
</GET_IMAGE>
</REQUEST>

```

## 4) When in RESPONSE:

```

<RESPONSE>
  <FEATURES>
  <FEATURE>

```

```
<FIELDS CUST_ID="4" NAME="Customer 4" #SHAPE#="[Geometry]" #ID#="3" />
<MULTIPOINT>
  <POINT x="-122.406680" y="37.747422" />
</MULTIPOINT>
</FEATURE>
. . . . .
<FEATURECOUNT count="55" hasmore="false" />
</FEATURES>
</RESPONSE>
```

### 5) When in MARKUP:

```
<?xml version="1.0"?>
```

```
<MARKUP>
  <WORKSPACES>
    <FEATURESERVERWORKSPACE name="ifs_ws-20"
      url="http://zephyr/servlet/com.esri.esrimap.Esrimap" service="world" />
  </WORKSPACES>
  <MARKUPLAYER layername="CNTRY94" workspace="ifs_ws-20">
    <MODIFIEDFEATURES>
      <FEATURE featureid="1000001">
        <ENVELOPE minx="79.7" miny="-59.0" maxx="113.9" maxy="-42.4" />
        <FIELD name="AREA" precision="3" size="12" type="8">
          <FIELDVALUE valuetype="string" value="10202" />
        </FIELD>
        <FIELD name="NAME" precision="0" size="40" type="12">
          <FIELDVALUE valuetype="string" value="Atlantis" />
        </FIELD>
        <FIELD name="#SHAPE#" precision="0" size="0" type="-98">
          <FIELDVALUE>
            <POLYGON>
              <RING>
                <POINT x="85.61944739721136" y="-42.43367913036056" />
                <POINT x="113.93068023991125" y="-46.33867676383642" />
                <POINT x="80.25007565118213" y="-55.12492143915705" />
                <POINT x="85.61944739721136" y="-42.43367913036056" />
              </RING>
            </POLYGON>
          </FIELDVALUE>
        </FIELD>
      </FEATURE>
    </MODIFIEDFEATURES>
  </MARKUPLAYER>
</MARKUP>
```

**POLYGON****Tag Name:** POLYGON**Used in:** CONFIG, REQUEST, RESPONSE, MARKUP**Parent Tags:** OBJECT, FIELDVALUE, FEATURE, SPATIALFILTER**Attributes:***When in CONFIG and REQUEST and parent tag is OBJECT:*

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
coords	Y	string	N/A	N/A	Polygon coordinates

*When in CONFIG, REQUEST, RESPONSE, and MARKUP and parent tag is FIELDVALUE, FEATURE, or SPATIALFILTER:*

None

**Sub Tags:***When in CONFIG and REQUEST and parent tag is OBJECT:*

Name	Required	Occurrences	Notes
GRADIENTFILLSYMBOL	N	one	
HASHLINESYMBOL	N	one	
RASTERFILLSYMBOL	N	one	
RASTERMARKERSYMBOL	N	one	
SIMPLELINESYMBOL	N	one	
SIMPLEMARKERSYMBOL	N	one	
SIMPLEPOLYGONSYMBOL	N	one	
TRUETYPEMARKERSYMBOL	N	one	

Use only one symbol.

*When in CONFIG, REQUEST, RESPONSE, and MARKUP and parent tag is FIELDVALUE, FEATURE, or SPATIALFILTER:*

Name	Required	Occurrences	Notes
RING	N	many	

**Purpose:**

Renders a polygon on the acetate layer using the OBJECT tag, or defines a polygon using the FIELDVALUE, FEATURE, or SPATIALFILTER tags.

**Restrictions:**

The sub tag RING cannot be used in an acetate layer.

**Notes**

The polygon must be closed.

**Example:**

1) When in CONFIG and parent tag is OBJECT:

```
<?xml version="1.0" encoding="Cp1252"?>

<ARCXML version="1.0.1">
  <CONFIG>
    <MAP>
      <PROPERTIES>
        <ENVELOPE minx="-141.003006" miny="41.913319" maxx="-52.620281" maxy="83.108322"
name="Initial_Extent" />
        <MAPUNITS units="DECIMAL_DEGREES" />
      </PROPERTIES>
    </MAP>
  </CONFIG>
</ARCXML>
```

```
</PROPERTIES>
<WORKSPACES>
  <SHAPEWORKSPACE name="shp_ws-16" directory="<path to data>" />
</WORKSPACES>
<LAYER type="featureclass" name="province" visible="true" id="0">
  <DATASET name="province" type="polygon" workspace="shp_ws-16" />
  <SIMPLERENDERER>
    <SIMPLEPOLYGONSYMBOL fillcolor="227,127,227" filltype="solid" />
  </SIMPLERENDERER>
</LAYER>
<LAYER type="acetate" name="Selectedmark">
  <OBJECT units="pixel">
    <POLYGON coords="0,0,400,0,400,13,0,13,0,0">
      <SIMPLEPOLYGONSYMBOL color="0,0,0" />
    </POLYGON>
  </OBJECT>
</LAYER>
</MAP>
</CONFIG>
</ARCXML>
```

## 2) When in CONFIG and parent tag is SPATIALFILTER:

```
<CONFIG>
  <MAP>

    <PROPERTIES>
      <ENVELOPE minx="-180.0" miny="-152.99999999999997" maxx="180.0"
maxy="153.00000000000003" />
      <LEGEND title="Legend" />
    </PROPERTIES>

    <WORKSPACES>
      <SHAPEWORKSPACE name="shp_ws-0" directory="<path to data>" />
    </WORKSPACES>

    <LAYER type="Featureclass" name="Cities" visible="true">
      <DATASET name="cities" type="point" workspace="shp_ws-0" />
      <SPATIALQUERY>
        <SPATIALFILTER relation="area_intersection">
          <POLYGON>
            <RING>
              <POINT x="-128.1079549837513" y="81.99815142335011" />
              <POINT x="-123.99468788980437" y="77.88488432940315" />
              <POINT x="-123.99468788980437" y="77.88488432940315" />
            </RING>
          </POLYGON>
        </SPATIALFILTER>
      </SPATIALQUERY>
      <SIMPLERENDERER>
        <TRUETYPEMARKERSYMBOL transparency="0.5" glowing="0,255,255" shadow="0,0,0"
font="ESRI Cartography" fontstyle="bolditalic" character="252"
fontcolor="255,255,0" fontsize="16" angle="90" antialiasing="false"
overlap="true" />
      </SIMPLERENDERER>
    </LAYER>

  </MAP>
</CONFIG>
```

## 3) When in REQUEST:

```
<REQUEST>
  <GET_IMAGE>
  <PROPERTIES>
    <ENVELOPE minx="-180" miny="-90" maxx="180" maxy="90" />
    <IMAGESIZE width="643" height="502" />
  </PROPERTIES>
  <LAYER type="acetate" name="acetate">
    <OBJECT units="pixel">
      <POLYGON coords="0,0,400,0,400,13,0,13,0,0">
        <SIMPLEPOLYGONSYMBOL color="0,0,0" />
      </POLYGON>
    </OBJECT>
  </LAYER>
</REQUEST>
```

```

        </POLYGON>
    </OBJECT>
</LAYER>
</GET_IMAGE>
</REQUEST>

```

#### 4) When in MARKUP:

```

<MARKUP>
  <WORKSPACES>
    <SHAPEWORKSPACE name="shp_ws-0" directory="<path to data>" />
  </WORKSPACES>
  <MARKUPLAYER layername="STATES" workspace="shp_ws-0">
    <ADDEDFEATURES>
      <FEATURE featureid="1000000">
        <ENVELOPE minx="-133.156056" miny="74.706451" maxx="-128.107955" maxy="78.071851" />
        />
        <FIELD name="#SHAPE#" precision="0" size="0" type="-98">
          <FIELDVALUE>
            <POLYGON>
              <RING>
                <POINT x="-133.15605550814075" y="78.07185101549165" />
                <POINT x="-131.09942196116728" y="74.70645066589869" />
                <POINT x="-128.1079549837513" y="76.38915084069517" />
                <POINT x="-128.1079549837513" y="76.38915084069517" />
                <POINT x="-133.15605550814075" y="78.07185101549165" />
              </RING>
            </POLYGON>
          </FIELDVALUE>
        </FIELD>
        <FIELD name="AREA" precision="3" size="12" type="8" />
        <FIELD name="STATE_NAME" precision="0" size="25" type="12" />
        <FIELD name="STATE_FIPS" precision="0" size="2" type="12" />
        <FIELD name="SUB_REGION" precision="0" size="7" type="12" />
        <FIELD name="STATE_ABBR" precision="0" size="2" type="12" />
        <FIELD name="POP1990" precision="0" size="10" type="4" />
        <FIELD name="POP1996" precision="0" size="10" type="4" />
      </FEATURE>
    </ADDEDFEATURES>
  </MARKUPLAYER>
</MARKUP>

```

#### 5) When in RESPONSE:

```

<ARCXML version="1.0">
  <REQUEST>
    <GET_IMAGE>
    <PROPERTIES>
      <ENVELOPE minx="-180" miny="-90" maxx="180" maxy="90" />
    </PROPERTIES>

    <LAYER type="Acetate" name="test" visible="true">
      <OBJECT units="pixel">
        <POLYGON coords="0,0,400,0,400,13,0,13,0,0">
          <SIMPLEPOLYGONSMBOL color="0,0,0" />
        </POLYGON>
      </OBJECT>
    </LAYER>

    </GET_IMAGE>
  </REQUEST>
</ARCXML>

```

**POLYLINE****Tag Name:** POLYLINE**Used in:** CONFIG, REQUEST, RESPONSE, MARKUP**Parent Tags:** FIELDVALUE, FEATURE, SPATIALFILTER**Attributes:** None**Sub Tags:**

Name	Required	Occurrences	Notes
PATH	Y	many	

**Purpose :**

Represents data for a polyline feature value.

**Restrictions:**

None

**Notes**

None

**Example:**

1) When in CONFIG:

```
<CONFIG>
  <MAP>

    <PROPERTIES>
    <ENVELOPE minx="-180.0" miny="-152.99999999999997" maxx="180.0"
maxy="153.000000000000003" />
    <LEGEND title="Legend" />
    </PROPERTIES>

    <WORKSPACES>
    <SHAPEWORKSPACE name="shp_ws-0" directory="<path to data>" />
    </WORKSPACES>

    <LAYER type="Featureclass" name="Cities" visible="true">
      <DATASET name="cities" type="point" workspace="shp_ws-0" />
      <SPATIALQUERY>
        <SPATIALFILTER relation="area_intersection">
          <POLYLINE>
            <PATH>
              <POINT x="-128.1079549837513" y="81.99815142335011" />
              <POINT x="-123.99468788980437" y="77.88488432940315" />
              <POINT x="-123.99468788980437" y="77.88488432940315" />
            </PATH>
          </POLYLINE>
        </SPATIALFILTER>
      </SPATIALQUERY>
      <SIMPLERENDERER>
        <TRUETYPEMARKERSYMBOL transparency="0.5" glowing="0,255,255" shadow="0,0,0"
font="ESRI Cartography" fontstyle="bolditalic" character="252"
fontcolor="255,255,0" fontsize="16" angle="90" antialiasing="false"
overlap="true" />
      </SIMPLERENDERER>
    </LAYER>

  </MAP>
</CONFIG>
```

## 2) When in REQUEST:

```
<REQUEST>
  <GET_IMAGE>
  <PROPERTIES>
    <ENVELOPE minx="-180" miny="-90" maxx="180" maxy="90" />
    <IMAGESIZE width="643" height="502" />
  </PROPERTIES>

  <LAYER type="featureclass" name="select layer" visible="true">
    <DATASET fromlayer="Countries" />
    <SPATIALQUERY>
      <SPATIALFILTER relation="area_intersection">
        <POLYLINE>
          <PATH>
            <POINT x="-128.1079549837513" y="81.99815142335011" />
            <POINT x="-123.99468788980437" y="77.88488432940315" />
            <POINT x="-123.99468788980437" y="77.88488432940315" />
          </PATH>
        </POLYLINE>
      </SPATIALFILTER>
    </SPATIALQUERY>
    <SIMPLERENDERER>
      <SIMPLEPOLYGONSMBOL color="255,255,255" type="cross" />
    </SIMPLERENDERER>
  </LAYER>

</GET_IMAGE>
</REQUEST>
```

## 3) When in RESPONSE:

```
<?xml version="1.0"?>
<ARCXML version="1.0">
  <RESPONSE>
  <FEATURES>
  <FEATURE>
  <FIELDS CUST_ID="4" NAME="Customer 4" #SHAPE#="[Geometry]" #ID#="3" />
  <POLYLINE>
    <PATH>
      <POINT x="-128.1079549837513" y="81.99815142335011" />
      <POINT x="-123.99468788980437" y="77.88488432940315" />
      <POINT x="-123.99468788980437" y="77.88488432940315" />
    </PATH>
  </POLYLINE>
  </FEATURE>
  . . . . .
  <FEATURECOUNT count="55" hasmore="false" />
  </FEATURES>
  </RESPONSE>
</ARCXML>
```

## PROPERTIES

**Tag Name:** PROPERTIES

**Used in:** CONFIG, REQUEST, RESPONSE

**Parent Tags:** MAP, GET\_IMAGE, GET\_EXTRACT, SERVICEINFO

**Attributes:** None

### Sub Tags:

Name	Required	Occurrences	Notes
BACKGROUND*	N	one	Color of map background
DRAW**	N	one	Disables map generation if only legend is required
ENVELOPE****	Y/N***	one	Map extent
FEATURECOORDSYS	N	one	Default feature system of coordinate
FILTERCOORDSYS	N	one	Default filter system of coordinate
FILTERDENSIFY	N	one	Default spatial filters densify tolerance
IMAGESIZE*	N	one	Size of generated map
LAYERLIST**	N	one	List of layers to be shown on map
LEGEND*	N	one	Map legend
MAPUNITS****	Y/N	one	Map units
OUTPUT*	N	one	Output format and file information

\* Used only for Image Server in both CONFIG and REQUEST; not used in GET\_EXTRACT requests.

\*\* Used only in REQUEST for Image Server. LAYERLIST is used in REQUEST for Extract Server.

\*\*\* Required when used in CONFIG and optional in REQUEST.

\*\*\*\* Required when used in RESPONSE.

### Purpose:

Contains metadata information. This included the envelope, projection, information, and other supporting information.

### Restrictions:

- In REQUEST, the PROPERTIES tag may only be used for Image Server.
- At least ENVELOPE and MAPUNITS must be specified in a CONFIG file.

### Notes

None

### Example:

1) When in CONFIG:

```
<ARXML version="1.0.1">
  <CONFIG>
    <MAP>
      <PROPERTIES>
        <ENVELOPE minx="-105.594842" miny="-49.955227" maxx="75.672764"
          maxy="83.596039" name="Initial_Extent" />
        <MAPUNITS units="DECIMAL_DEGREES" />
      </PROPERTIES>
      <WORKSPACES>
        <SHAPEWORKSPACE name="shp_ws-0" directory="<path to data>" />
      </WORKSPACES>
      <LAYER type="featureclass" name="CITIES" visible="true" id="2">
        <DATASET name="CITIES" type="point" workspace="shp_ws-0" />
        <SIMPLERENDERER>
          <SIMPLEMARKERSYMBOL type="square" width="5" />
        </SIMPLERENDERER>
      </LAYER>
    </MAP>
  </CONFIG>
</ARXML>
```

```
</CONFIG>
</ARCXML>
```

2) When in REQUEST:

```
<?xml version="1.0"?>
<ARCXML version="1.0">
  <REQUEST>
    <GET_IMAGE>
      <PROPERTIES>
        <MAPUNITS units="DECIMAL_DEGREES" />
      </PROPERTIES>
    </GET_IMAGE>
  </REQUEST>
</ARCXML>
```

2) When in RESPONSE:

```
<ARCXML version="1.0">
  <RESPONSE>
    <SERVICEINFO>
      <PROPERTIES>
        <ENVELOPE minx="-141.003006" miny="41.913319"
maxx="-52.620281" maxy="83.108322" name="Initial_Extent"/>
        <MAPUNITS units="DECIMAL_DEGREES" />
      </PROPERTIES>
      <LAYERINFO ...>
        .....
      </LAYERINFO>
    </SERVICEINFO>
  </RESPONSE>
</ARCXML>
```

**QUERY****Tag Name:** QUERY**Used in:** CONFIG, REQUEST**Parent Tags:** LAYER, LAYERDEF, STOREDQUERY**Attributes:**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
accuracy	N	double	0	Minimum distance between two points	Determines how much to generalize geometry
featurelimit	N	integer	If attribute is missing, then all features that qualify will be extracted	N/A	Maximum number of features to be extracted
joinexpression	N	string	N/A	String must form expression: "To=[master table's column which will be used for joining], From=[defines a join table column which will be joined], Type=[exact or scan]"	Used for join tables with dbf files only; jointables attribute must contain list of tables used; not required when a join table is done on ArcSDE
jointables	N	string	N/A	N/A	List of joined table names separated by blank spaces; for ArcSDE, table name is full name including database name (e.g., "DATA.STATES"); for shapefiles, names of DBF files without extension (e.g., "STATES")
subfields	N	string	#ALL#	#ALL#, #ID#, #SHAPE#	List of fields to be extracted separated by blank space; if this attribute doesn't exist, all fields will be returned; if it exists, field names to be displayed must be added
where	Y/N*	string	N/A	N/A	Defines where part of SQL expression

\* Required when used in CONFIG and when jointables is being used in ArcSDE.

**Sub Tags:***When in REQUEST:*

Name	Required	Occurrences	Notes
BUFFER	N	one	Not used in requests for Extract Server
DENSIFY	N	one	
FEATURECOORDSYS	N	one	Overwrites one from PROPERTIES

*When in CONFIG:*

None

**Purpose :**

Defines constraints on a data set.

**Restrictions:**

- When joining tables, ArcSDE layers can only be joined to other tables in the RDBMS, and shapefile layers can only be joined to other DBF files.
- DBF join table names are limited to ten characters.

**Notes**

- If a query is defined in the CONFIG file to apply to a layer, any queries sent to this layer will be constrained.
- In CONFIG when parent tag is STOREDQUERY, for ArcSDE the subfields attribute will have the full long format of the field names (e.g. MD.GDT\_STATE.AREA). For shapefiles the subfields attribute will contain the field names in short format (e.g. AREA).
- In a GET\_FEATURES request, if the geometry attribute is set to true, the geometry will not be returned unless the #SHAPE# field is specified in the subfields attribute.
- Some symbols must be “escaped” inside a ‘where’ expression of a QUERY tag so that the XML parser correctly interprets them:

Character	Character Name	Escape Value
&	ampersand	&amp;
“	double quote	&quot;
‘	single quote	&apos;
>	greater than	&gt;
<	less than	&lt;

- When joining ArcSDE tables, jointable will apply to what the RDBMS will allow between ArcSDE and the mentioned table.
- When joining ArcSDE tables, the where clause is required for defining which tables are joined and for additional constraints such as limiting all results to cities in one country. The where clause contains the equality for two columns in two tables by adding to the expression made “table1.column\_name = table2.column\_name”. Multiple joins can be established using SQL syntax. Joined tables must be listed under jointables. If multiple tables are joined, table names are separated by a space. When naming tables, the full ArcSDE table name must be used.

In the following example, the where statement includes setting up two relations (in bold type) and constraining the selection to FIPS\_CNTRY='CA' (in bold type).

```
<QUERY where="WORLD.CITY.FIPS_CNTRY = WORLD.COUNTRYP.FIPS_CNTRY and
WORLD.COUNTRYP.FIPS_CNTRY = WORLD.AIRPORT.FIPS_CNTRY and
WORLD.COUNTRYP.FIPS_CNTRY=&apos;CA&apos;" jointables="WORLD.COUNTRYP
WORLD.AIRPORT" />
```

- When joining DBF tables, joins can be made between the shapefile DBF table and one or more external DBF tables. The external DBF tables must be in the same directory as the shapefile.
- When joining a DBF file, both the jointable and joinexpression attributes must be used. An example DBF query expression is:
 

```
<QUERY where="counties.STATE_NAME=&apos;Nevada&apos;" jointables="county1
county2" joinexpression="To=[counties.FIPS],From=[county1.FIPS],Type=[scan];
To=[county1.FIPS],From=[county2.FIPS],Type=[scan]" />
```
- When using joinexpression, these rules apply:
  - “To” refers to the master DBF table and defines the field that will be used for joining. When referring to this table, the DBF table name must be used as a prefix to the field name. The entire expression is surrounded by square brackets, e.g. joinexpression=”To=[mastertable.fieldname]”.

“From” refers to the DBF table that is joined to the master DBF table and the field that will be used for joining, e.g. joinexpression=”From=[jointable.fieldname]”.

“exact” Defines an exact match relation that permits only a single match between the master and join tables. Both one to one and many to one relations are exact match relations. In

a one to one relation, there is only one record in the master that matches a single record in the join table. In a many to one relation, there are one or more records in the master that match a single join record. If there are multiple join records that match a single master record, then a composite record is only generated for the first join record.

- "scan" In a scan relation, if there are multiple join records for a master record, there is one composite record in the extended data file for each of the matching join records. Both one to many and many to many relations are scan relations. In a one to many relation, each record in the master may have multiple matching join records. A many to many relation is the same as one to many, except that different master records may match the same join record.
- To, From, and Type parameters are case sensitive (first letter is capitalized), and they are separated by a comma ",".
  - Any number of joined tables can be defined in the joinexpression attribute. Joined tables must be separated by a semicolon ";", for example,  
`joinexpression="To=[A.ID],From=[B.ID],Type=[scan];To=[B.NAME],From=[C.NAME],Type=[exact]"`
  - All joined DBF tables must be listed under jointables. If multiple tables are joined, table names are separated by a space. When naming tables, the name of the DBF file without the extension must be used.

### Example:

#### 1) When in CONFIG using a DBF jointable:

```
<?xml version="1.0" encoding="Cp1252"?>

<ARCXML version="1.0.1">
  <CONFIG>
    <MAP>
      <PROPERTIES>
        <ENVELOPE minx="-178.215027" miny="18.924782" maxx="-66.969849" maxy="71.406647"
name="Initial_Extent" />
        <MAPUNITS units="DECIMAL_DEGREES" />
      </PROPERTIES>
      <WORKSPACES>
        <SHAPEWORKSPACE name="shp_ws-0" directory="<path to data>" />
      </WORKSPACES>

      <LAYER type="featureclass" name="counties" visible="true" id="0">
        <DATASET name="COUNTIES" type="polygon" workspace="shp_ws-0" />
        <QUERY where="" jointables="county_info"
joinexpression="To=[counties.FIPS],From=[county_info.FIPS],Type=[scan]" />

        <SIMPLERENDERER>
          <SIMPLEPOLYGONSYMBOL fillcolor="27,127,27" filltype="solid" />
        </SIMPLERENDERER>
      </LAYER>

    </MAP>
  </CONFIG>
</ARCXML>
```

#### 2) When in CONFIG using an ArcSDE jointable:

```
<?xml version="1.0" encoding="Cp1252"?>

<ARCXML version="1.0.1">
  <CONFIG>
    <MAP>
      <PROPERTIES>
        <ENVELOPE minx="-175.2" miny="-90.0" maxx="179.2" maxy="83.6"
name="Initial_Extent" />
        <MAPUNITS units="DECIMAL_DEGREES" />
      </PROPERTIES>
      <WORKSPACES>
        <SDEWORKSPACE name="sde_ws-4" server="sierra" instance="esri_sde" database=""
user="world_data" encrypted="true" password="LXEMUR" />
      </WORKSPACES>
      <LAYER type="featureclass" name="WORLD.CITY" visible="true" id="0">
        <DATASET name="WORLD.CITY" type="point" workspace="sde_ws-4" />
      </LAYER>
    </MAP>
  </CONFIG>
</ARCXML>
```

```

<QUERY where="WORLD.CITY.FIPS_CNTRY = WORLD.COUNTRYP.FIPS_CNTRY and
WORLD.COUNTRYP.FIPS_CNTRY='&apos;CA&apos;' " jointables="WORLD.COUNTRYP" />
<SIMPLERENDERER>
  <SIMPLEMARKERSYMBOL color="27,227,27" width="8" />
</SIMPLERENDERER>
</LAYER>
</MAP>
</CONFIG>
</ARCXML>

```

### 3) When in CONFIG using a STOREDQUERY:

```

<CONFIG>
  <MAP>
    <PROPERTIES>
      <ENVELOPE minx="-105.594842" miny="-49.955227" maxx="75.672764" maxy="83.596039"
name="Initial_Extent" />
      <MAPUNITS units="DECIMAL_DEGREES" />
    </PROPERTIES>
    <WORKSPACES>
      <SHAPEWORKSPACE name="shp_ws-0" directory="<path to data>" />
    </WORKSPACES>
    <LAYER type="featureclass" name="CITIES" visible="true" id="2">
      <DATASET name="CITIES" type="point" workspace="shp_ws-0" />
      <SIMPLERENDERER>
        <SIMPLEMARKERSYMBOL type="square" width="5" />
      </SIMPLERENDERER>
      <EXTENSION type="StoredQuery">
        <STOREDQUERIES>
          <STOREDQUERY name="TestSt">
            <QUERY where=" ZIPL = &apos;[&var%]&apos; " subfields="#SHAPE# FNODE_
TNODE_ LPOLY_ RPOLY_ LENGTH RECNUM L_F_ADD L_T_ADD R_F_ADD R_T_ADD PREFIX
NAME TYPE SUFFIX CFCC ZIPL ZIPR"/>
            <SQVAR position="0" name="[&var%]">
              <FIELD name="ZIPL" precision="0" type="12" size="5" />
            </SQVAR>
          </STOREDQUERY>
        </STOREDQUERIES>
      </EXTENSION>
    </LAYER>
  </MAP>
</CONFIG>
</ARCXML>

```

### 4) When in CONFIG using Raster ArcSDE data:

```

<?xml version="1.0" encoding="Cp1252"?>
<ARCXML version="1.0.1">
  <CONFIG>
    <MAP>
      <PROPERTIES>
        <ENVELOPE minx="200" miny="200" maxx="2000" maxy="2000" />
      </PROPERTIES>
      <WORKSPACES>
        <SDEWORKSPACE name="sde_ws-1" server="zephyr" instance="5100"
database="" user="raster" password="EXMUR" />
      </WORKSPACES>
      <LAYER type="image" name="SDERASTER" visible="true">
        <DATASET workspace="sde_ws-1" name="RASTER.TEST.IMAGE" />
        <QUERY where="name='EEE'" />
      </LAYER>
    </MAP>
  </CONFIG>
</ARCXML>

```

### 5) When in REQUEST:

```

<REQUEST>
  <GET_IMAGE>
    <PROPERTIES>
      <ENVELOPE minx="-180" miny="-90" maxx="180" maxy="90" />
      <IMAGESIZE width="643" height="502" />
    </PROPERTIES>

```

```
<LAYER type="featureclass" name="new layer" visible="true">
  <DATASET fromlayer="Countries" />
  <QUERY where="NAME = &apos;Brazil&apos;" />
  <SIMPLERENDERER>
    <SIMPLEPOLYGONSYMBOL color="0,255,0" type="cross" />
  </SIMPLERENDERER>
</LAYER>
</GET_IMAGE>
</REQUEST>
```

**RING****Tag Name:** RING**Used in:** CONFIG, MARKUP, RESPONSE, REQUEST**Parent Tags:** POLYGON**Attributes:** None**Sub Tags:**

Name	Required	Occurrences	Notes
COORDS	Y/N*	one	
POINT	Y/N*	many	
HOLE	N	many	

\* Either COORDS or POINT is required.

**Purpose :**

Represents data for a polygon feature value.

**Restrictions:**

- A POLYGON used in an acetate layer is a simple polygon. It cannot contain a RING or a HOLE. This applies for both CONFIG and GET\_IMAGE requests.
- A POLYGON with a HOLE can be used inside a SPATIALFILTER in CONFIG or REQUEST. It can also be used to describe FEATURE geometry in RESPONSE or MARKUP.

**Notes**

None

**Example:**

1) When in CONFIG:

```

<CONFIG>
  <MAP>
    <PROPERTIES>
      <ENVELOPE minx="-180.0" miny="-152.99999999999997" maxx="180.0"
maxy="153.00000000000003" />
      <LEGEND title="Legend" />
    </PROPERTIES>
    <WORKSPACES>
      <SHAPEWORKSPACE name="shp_ws-0" directory="<path to data>" />
    </WORKSPACES>
    <LAYER type="Featureclass" name="Cities" visible="true">
      <DATASET name="cities" type="point" workspace="shp_ws-0" />
      <SPATIALQUERY>
        <SPATIALFILTER relation="area_intersection">
          <POLYGON>
            <RING>
              <POINT x="-133.15605550814075" y="78.07185101549165" />
              <POINT x="-131.09942196116728" y="74.70645066589869" />
              <POINT x="-128.1079549837513" y="76.38915084069517" />
              <POINT x="-128.1079549837513" y="76.38915084069517" />
              <POINT x="-133.15605550814075" y="78.07185101549165" />
            </RING>
          </POLYGON>
        </SPATIALFILTER>
      </SPATIALQUERY>
    <SIMPLERENDERER>
      <TRUETYPEMARKERSYMBOL transparency="0.5" glowing="0,255,255" shadow="0,0,0"
font="ESRI Cartography" fontstyle="bolditalic" character="252"
fontcolor="255,255,0" fontsize="16" angle="90" antialiasing="false"
overlap="true" />
    </SIMPLERENDERER>
  </LAYER>
</CONFIG>

```

```
</MAP>
</CONFIG>
```

## 2) When in REQUEST

```
<REQUEST>
  <GET_IMAGE>
    <PROPERTIES>
      <ENVELOPE minx="-180" miny="-90" maxx="180" maxy="90" />
      <IMAGESIZE width="643" height="502" />
    </PROPERTIES>

  <LAYER type="featureclass" name="select layer" visible="true">
    <DATASET fromlayer="Countries" />
    <SPATIALQUERY>
      <SPATIALFILTER relation="area_intersection">
        <POLYGON>
          <RING>
            <POINT x="-133.15605550814075" y="78.07185101549165" />
            <POINT x="-131.09942196116728" y="74.70645066589869" />
            <POINT x="-128.1079549837513" y="76.38915084069517" />
            <POINT x="-128.1079549837513" y="76.38915084069517" />
            <POINT x="-133.15605550814075" y="78.07185101549165" />
          </RING>
        </POLYGON>
      </SPATIALFILTER>
    </SPATIALQUERY>
    <SIMPLERENDERER>
      <SIMPLEPOLYGONSYMBOL color="255,255,255" type="cross" />
    </SIMPLERENDERER>
  </LAYER>

  </GET_IMAGE>
</REQUEST>
```

## 3) When in RESPONSE:

```
<?xml version="1.0"?>
<ARCXML version="1.0">
  <RESPONSE>
    <FEATURES>
      <FEATURE>
        <FIELDS CUST_ID="4" NAME="Customer 4" #SHAPE#="[Geometry]" #ID#="3" />
        <POLYGON>
          <RING>
            <POINT x="-133.15605550814075" y="78.07185101549165" />
            <POINT x="-131.09942196116728" y="74.70645066589869" />
            <POINT x="-128.1079549837513" y="76.38915084069517" />
            <POINT x="-128.1079549837513" y="76.38915084069517" />
            <POINT x="-133.15605550814075" y="78.07185101549165" />
          </RING>
        </POLYGON>
      </FEATURE>
      . . . . .
      <FEATURECOUNT count="55" hasmore="false" />
    </FEATURES>
  </RESPONSE>
</ARCXML>
```

**SCALEBAR****Tag Name:** SCALEBAR**Used in:** CONFIG, REQUEST**Parent Tags:** CONFIG, OBJECT**Attributes:***When used in CONFIG and parent tag is CONFIG:*

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
backcolor	N	color	192,192,192	0,0,0 – 255,255,255	Background color
fontcolor	N	color	0,0,0	0,0,0 – 255,255,255	Font color
mapunits	N	string	same MAPUNITS set for MAP	DECIMAL_DEGREES, MILES, FEET, KILOMETERS, METERS	Scalebar units
scaleunits	N	string	feet	miles, feet, meters, kilometers, inches, centimeters	Scale units
screenunits	N	string	inches	miles, feet, meters, kilometers, inches, centimeters	Screen units

*When used in CONFIG or REQUEST and parent tag is OBJECT:*

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
coord	Y	XY	N/A	N/A	Scalebar location
antialiasing	N	boolean specified values	false	true, false	Antialiasing trigger
barcolor	N	color	255, 162, 115	0,0,0 – 255,255,255	Scalebar color
bartransparency	N	double	1.0	0.0 – 1.0	Transparency coefficient
barwidth	N	integer	5	N/A	Scalebar width
font	N	string	Arial	any system font	Font name
fontcolor	N	color	0,0,0	0,0,0 – 255,255,255	Font color
fontsize	N	integer	10	N/A	Font size
fontstyle	N	specified values	regular	regular, bold, italic, underline, outline, bolditalic	Font style
mapunits	N	specified values	Degrees	Degrees, meters, feet	Data units on map
outline	N	color	255,255,255	0,0,0 – 255,255,255	Outline color
overlap	N	boolean specified values	true	true, false	Overlap trigger
precision	N	integer	0	N/A	Number of decimal places
round	N	double	N/A	N/A	Number of digits to round
scaleunits	N	specified values	miles	meters, feet, miles, kilometers	Screen units

screenlength	N	integer	N/A	N/A	Bar size in pixels
texttransparency	N	double	1.0	0.0 – 1.0	Transparency coefficient

**Sub Tags:**

None

**Purpose :**

- When used in CONFIG and parent tag is CONFIG, it specifies how the scalebar in the client is displayed.
- When used in CONFIG or REQUEST and parent tag is OBJECT, it is used to specify the scalebar object used in an acetate layer.

**Restrictions:**

- When used in CONFIG and parent tag is CONFIG, it is only used for ArcExplorer 3 and Java Standard Viewer.
- Only request that this tag can be used in is GET\_IMAGE.

**Notes**

When parent tag is CONFIG, SCALEBAR is used only on the client side for showing the scalebar in ArcExplorer 3 and the Java Standard Viewer.

**Example:**

1) When in CONFIG and parent tag is CONFIG:

```
<ARCXML version="1.0.1">
  <CONFIG>
    <MAP>
      <PROPERTIES>
        <ENVELOPE minx="6803364.430246" miny="1840363.881158" maxx="6819426.753985"
maxy="1851351.050505" name="Initial_Extent" />
        <MAPUNITS units="DECIMAL_DEGREES" />
      </PROPERTIES>
      <WORKSPACES>
        <SHAPEWORKSPACE name="shp_ws-8" directory="<path to data>" />
      </WORKSPACES>
      <LAYER type="featureclass" name="city" visible="true" id="0">
        <DATASET name="city" type="polygon" workspace="shp_ws-8" />
        <SIMPLERENDERER>
          <SIMPLEPOLYGONSMBOL fillinterval="6" filltransparency="1.0"
fillcolor="127,27,127" filltype="solid" boundarytype="solid" boundarywidth="1"
boundarycaptype="butt" boundaryjointype="round" boundarycolor="0,0,0" />
        </SIMPLERENDERER>
      </LAYER>
    </MAP>
    <SCALEBAR backcolor="192,192,192" fontcolor="0,0,0" mapunits="DECIMAL_DEGREES"
scaleunits="FEET" screenunits="INCHES" />
  </CONFIG>
</ARCXML>
```

2) When in CONFIG and REQUEST and parent tag is OBJECT:

```
<ARCXML version="1.0">
  <REQUEST>
    <GET_IMAGE>
      <PROPERTIES>
        <ENVELOPE minx="-180" miny="-90" maxx="180" maxy="90" />
      </PROPERTIES>
      <LAYER type="Acetate" name="test" visible="true">
        <OBJECT units="pixel">
          <SCALEBAR fontcolor="200,200,200" coord="250,3"
barcolor="255,255,255" fontsize="7" screenlength="30" barwidth="3" mapunits="degrees"
antialiasing="true" />
        </OBJECT>
      </LAYER>
    </GET_IMAGE>
  </REQUEST>
</ARCXML>
```

**SERVICEINFO****Tag Name:** SERVICEINFO**Used in:** RESPONSE**Parent Tags:** RESPONSE**Attributes:** None**Sub Tags:**

Name	Required	Occurrences	Notes
LAYERINFO	Y	many	Can contain information for each layer defined for a MapService
PROPERTIES	N	one	

**Purpose:**

Contains Service information about a MapService.

**Restrictions:**

None

**Notes:**

- See GET\_SERVICE\_INFO for request.
- SERVICEINFO tag may contain many LAYERINFO sub tags—one for each layer defined for this service. LAYERINFO tag may have the same set of attributes as LAYER: name, id, type, visible, minscale, or maxscale.
- All layer fields are described in FCLASS sub tag. This includes the layer's envelope and all available fields. The fields' information is comprised of name, type, size, and precision.
- If any extensions were defined for this LAYER in CONFIG, then information about all these extensions will be also returned in EXTENSION tags. The contents of the returned EXTENSION tags depend on the extension types. Geocode extension returns the name of the geocoding style and a list of GCINPUT tags defining the format of the input address to be geocoded (see GET\_GEOCODE for details). Geocode Server returns GCINPUT tags only.

**Example:**

```

<?xml version="1.0"?>
<ARCXML vesion="1.0">
<RESPONSE>
  <SERVICEINFO>
    <LAYERINFO type="featureclass" visible="true" name="REDLANDS.STREETS">
      <FCLASS type="line">
        <ENVELOPE minx="-166" miny="36" maxx="-81" maxy="70" />
        <FIELD name="BUS_FID" type="-98" size="10" precision="0" />
        <FIELD name="SE_ROW_ID" type="-99" size="16" precision="0" />
        <FIELD name="ESRI_ID" type="12" size="32" precision="0" />
        <FIELD name="CFCC" type="12" size="3" precision="0" />
      </FCLASS>
      <SIMPLERENDERER >
        <SIMPLELINESYMBOL type="solid" width="1" />
      </SIMPLERENDERER>
    </LAYERINFO>
  </SERVICEINFO>
</RESPONSE>
</ARCXML>

```

**SPATIALFILTER****Tag Name:** SPATIALFILTER**Used in:** REQUEST**Parent Tags:** SPATIALQUERY**Attributes:**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
relation	Y	specified values	area_intersection	area_intersection, envelope_intersection	Describes spatial relation

**Sub Tags:**

Name	Required	Occurrences	Notes
BUFFER	N	one	
ENVELOPE	N	one	
MULTIPOINT	N	one	
POLYGON	N	one	
POLYLINE	N	one	

One ENVELOPE, POLYLINE, POLYGON, or MULTIPOINT tag is required; only one is possible.

**Purpose:**

A spatial filter defines the boundary for a spatial query.

**Restrictions:**

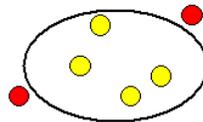
None

**Notes**

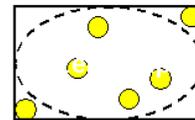
When the area\_intersection option is used, all features whose areas overlap the area of the filter are found. This results in a complex operation that can take some time. To speed up processing, the envelope\_intersection option can be used. This checks to see if the bounding box of the filter overlaps any bounding boxes of the features in the layer. A much quicker search results, but the features found could fall outside the area of the filter as shown in the illustration below.



Shape of spatial filter



Features selected when relation="area\_intersection"



Features selected when relation="envelope\_intersection"

**Example:**

```

<REQUEST>
  <GET_IMAGE>
    <PROPERTIES>
      <ENVELOPE minx="-180" miny="-90" maxx="180" maxy="90" />
      <IMAGESIZE width="643" height="502" />
    </PROPERTIES>
    <LAYER type="featureclass" name="select layer" visible="true">
      <DATASET fromlayer="Countries" />
      <SPATIALQUERY>
        <SPATIALFILTER relation="area_intersection">
          <ENVELOPE maxy="30" maxx="30" miny="0" minx="0" />
        </SPATIALFILTER>
      </SPATIALQUERY>
      <SIMPLERENDERER>
        <SIMPLEPOLYGONSYMBOL color="255,255,255" type="cross" />
      </SIMPLERENDERER>
    </LAYER>
  </GET_IMAGE>
</REQUEST>

```

**SPATIALQUERY****Tag Name:** SPATIALQUERY**Used in:** CONFIG, REQUEST**Parent Tags:** GET\_FEATURES, LAYER, LAYERDEF**Attributes:**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
accuracy	N	double	0	Minimum distance between two points	Generalizes points to be represented by one point in display based on resolution image is viewed in
featurelimit	N	integer	If attribute is missed, then all possible features will be extracted	N/A	Maximum number of features to be extracted
joinexpression	N	string	N/A	String must form expression: "To=[master table's column which will be used for joining], From=[defines a join table column which will be joined],Type=[exact or scan]"	Used for join tables with dbf files only; jointables must be filled to contain list of tables used; not required when a jointable is done on ArcSDE
jointables	N	string	N/A	N/A	List of joined table names separated by blank spaces; for ArcSDE, table name is full name including database name (e.g., "DATA.STATES"); for shapefiles, names of DBF files without extension (e.g., "STATES")
subfields	N	string	#ALL#	#ALL#, #ID# and #SHAPE# may be used to refer to all fields, ID or SHAPE column	List of fields to be extracted separated by blank space; if this attribute doesn't exist all fields will be returned.; if it exists, field names to be displayed must be added
where	Y/N*	string	N/A	N/A	Defines where part of SQL expression

\* Required when used in CONFIG and when jointables is being used in ArcSDE.

**Sub Tags:***When in CONFIG:*

Name	Required	Occurrences	Notes
FILTERCOORDSYS	N	one	System of coordinates for spatial filters
FILTERDENSIFY	N	one	Densify tolerance for spatial filters
SPATIALFILTER	N	one	Spatial filters' geometry

When in *REQUEST*:

Name	Required	Occurrences	Notes
BUFFER	N	one	Not used in requests for Extract Servers
DENSIFY	N	one	
FEATURECOORDSYS	N	one	Overwrites one from PROPERTIES

**Purpose :**

- Similar to QUERY but allows for additional spatial constraints defined through one or more spatial filters.
- A QUERY can ask for all cities in Canada where the population is greater than 500,000. A SPATIALQUERY can define a SPATIALFILTER around a group of cities in the United States and Canada (the spatial component) and can constrain the query further by limiting this set of cities to those with a population greater than 500,000.

**Restrictions:**

- When joining tables, ArcSDE layers can only be joined to other tables in the RDBMS, and shapefile layers can only be joined to other DBF files.
- DBF jointable names are limited to ten characters.

**Notes**

- Without SPATIALFILTERS, SPATIALQUERY works exactly the same as QUERY.
- If a spatial query is defined in the CONFIG file to apply to a layer, any queries sent to this layer will be constrained.
- In a GET\_FEATURES request, if a user specifies the geometry attribute to be true, they cannot get the geometry back unless they specify the #SHAPE# field in the subfields attribute of the SPATIALQUERY.
- Some symbols must be represented inside a 'where' expression of a SPATIALQUERY tag:

Character	Character Name	Escape Value
&	ampersand	&amp;
“	double quote	&quot;
‘	single quote	&apos;
>	greater than	&gt;
<	less than	&lt;

- When joining ArcSDE tables, jointable will apply to what the RDBMS will allow between ArcSDE and the mentioned table.
- When joining ArcSDE tables, the where clause is required for defining which tables are joined and for additional constraints such as limiting all results to cities in one country. The where clause contains the equality for two columns in two tables by adding to the expression made "table1.column\_name = table2.column\_name". Multiple joins can be established using SQL syntax. Joined tables must be listed under jointables. If multiple tables are joined, table names are separated by a space. When naming tables, the full ArcSDE table name must be used.

In the following example, the where statement includes setting up two relations (in bold type) and constraining the selection to FIPS\_CNTRY='CA' (in italic type).

```
<QUERY where="WORLD.CITY.FIPS_CNTRY = WORLD.COUNTRYP.FIPS_CNTRY and
WORLD.COUNTRYP.FIPS_CNTRY = WORLD.AIRPORT.FIPS_CNTRY and
WORLD.COUNTRYP.FIPS_CNTRY=&apos;CA&apos;" jointables="WORLD.COUNTRYP
WORLD.AIRPORT" />
```

- When joining DBF tables, joins can be made between the shapefile DBF table and one or more external DBF tables. The external DBF tables must be in the same directory as the shapefile.
- When joining a DBF file, both the jointable and joinexpression attributes must be used. An example DBF query expression is:

```
<QUERY where="counties.STATE_NAME=&apos;Nevada&apos;" jointables="county1
county2" joinexpression="To=[counties.FIPS],From=[county1.FIPS],Type=[scan];
To=[county1.FIPS],From=[county2.FIPS],Type=[scan]" />
```

- When using joinexpression, these rules apply:
  - “To” refers to the master DBF table and defines the field that will be used for joining. When referring to this table, the DBF table name must be used as a prefix to the field name. The entire expression is surrounded by square brackets, e.g. joinexpression=”To=[mastertable.fieldname]”.
  - “From” refers to the DBF table that is joined to the master DBF table and the field that will be used for joining, e.g. joinexpression=”From=[jointable.fieldname]”.
  - “exact” Defines an exact match relation that permits only a single match between the master and join tables. Both one to one and many to one relations are exact match relations. In a one to one relation, there is only one record in the master that matches a single record in the join table. In a many to one relation, there are one or more records in the master that match a single join record. If there are multiple join records that match a single master record, then a composite record is only generated for the first join record.
  - “scan” In a scan relation, if there are multiple join records for a master record, there is one composite record in the extended data file for each of the matching join records. Both one to many and many to many relations are scan relations. In a one to many relation, each record in the master may have multiple matching join records. A many to many relation is the same as one to many, except that different master records may match the same join record.
  - To, From, and Type parameters are case sensitive (first letter is capitalized), and they are separated by a comma “,”.
  - Any number of joined tables can be defined in the joinexpression attribute. Joined tables must be separated by a semicolon “;”, for example,
 

```
joinexpression="To=[A.ID],From=[B.ID],Type=[scan];To=[B.NAME],From=[C.NAME],Type=[exact]"
```
  - All joined DBF tables must be listed under jointables. If multiple tables are joined, table names are separated by a space. When naming tables, the name of the DBF file without the extension must be used.

**Example:**

## 1) When in CONFIG:

```
<CONFIG>
  <MAP>

    <PROPERTIES>
    <ENVELOPE minx="-180.0" miny="-152.99999999999997" maxx="180.0"
maxy="153.000000000000003" />
    <LEGEND title="Legend" />
    </PROPERTIES>

    <WORKSPACES>
    <SHAPEWORKSPACE name="shp_ws-0" directory="<path to data>" />
    </WORKSPACES>

    <LAYER type="Featureclass" name="Cities" visible="true">
      <DATASET name="cities" type="point" workspace="shp_ws-0" />
      <SPATIALQUERY>
        <SPATIALFILTER relation="area_intersection">
          <ENVELOPE maxy="30" maxx="30" miny="0" minx="0" />
        </SPATIALFILTER>
      </SPATIALQUERY>
      <SIMPLERENDERER>
        <TRUETYPEMARKERSYMBOL transparency="0.5" glowing="0,255,255" shadow="0,0,0"
font="ESRI Cartography" fontstyle="bolditalic" character="252"
fontcolor="255,255,0" fontsize="16" angle="90" antialiasing="false"
overlap="true" />
      </SIMPLERENDERER>
    </LAYER>

  </MAP>
</CONFIG>
```

## 2) When in CONFIG using a DBF jointable:

```

<?xml version="1.0" encoding="Cp1252"?>
<ARCXML version="1.0.1">
  <CONFIG>
    <MAP>
      <PROPERTIES>
        <ENVELOPE minx="-178.215027" miny="18.924782" maxx="-66.969849" maxy="71.406647"
name="Initial_Extent" />
        <MAPUNITS units="DECIMAL_DEGREES" />
      </PROPERTIES>
      <WORKSPACES>
        <SHAPEWORKSPACE name="shp_ws-0" directory="<path to data>" />
      </WORKSPACES>

      <LAYER type="featureclass" name="counties" visible="true" id="0">
        <DATASET name="COUNTIES" type="polygon" workspace="shp_ws-0" />

        <SPATIALQUERY where="counties.STATE_NAME=&apos;Nevada&apos;"
jointables="countyinfo" joinexpression="To=[counties.FIPS],
From=[countyinfo.FIPS],Type=[scan]" >
          <SPATIALFILTER relation="area_intersection">
            <ENVELOPE maxy="30" maxx="30" miny="0" minx="0" />
          </SPATIALFILTER>
        </SPATIALQUERY>

        <SIMPLERENDERER>
          <SIMPLEPOLYGONSYMBOL fillcolor="27,127,27" filltype="solid" />
        </SIMPLERENDERER>
      </LAYER>

    </MAP>
  </CONFIG>
</ARCXML>

```

## 3) When in CONFIG using an ArcSDE jointable:

```

<?xml version="1.0" encoding="Cp1252"?>
<ARCXML version="1.0.1">
  <CONFIG>
    <MAP>
      <PROPERTIES>
        <ENVELOPE minx="-175.2" miny="-90.0" maxx="179.2" maxy="83.6"
name="Initial_Extent" />
        <MAPUNITS units="DECIMAL_DEGREES" />
      </PROPERTIES>
      <WORKSPACES>
        <SDEWORKSPACE name="sde_ws-4" server="sierra" instance="esri_sde" database=""
user="world_data" encrypted="true" password="LXEMUR" />
      </WORKSPACES>
      <LAYER type="featureclass" name="WORLD.CITY" visible="true" id="0">
        <DATASET name="WORLD.CITY" type="point" workspace="sde_ws-4" />

        <SPATIALQUERY where="WORLD.CITY.FIPS_CNTRY = WORLD.COUNTRYP.FIPS_CNTRY and
WORLD.COUNTRYP.FIPS_CNTRY=&apos;CA&apos;" jointables="WORLD.COUNTRYP" >
          <SPATIALFILTER relation="area_intersection">
            <ENVELOPE maxy="30" maxx="30" miny="0" minx="0" />
          </SPATIALFILTER>
        </SPATIALQUERY>

        <SIMPLERENDERER>
          <SIMPLEMARKERSYMBOL color="27,227,27" width="8" />
        </SIMPLERENDERER>
      </LAYER>
    </MAP>
  </CONFIG>
</ARCXML>

```

## 4) When in REQUEST with GET\_IMAGE:

```

<REQUEST>
  <GET_IMAGE>
    <PROPERTIES>
      <ENVELOPE minx="-180" miny="-90" maxx="180" maxy="90" />

```

```
        <IMAGESIZE width="643" height="502" />
    </PROPERTIES>

    <LAYER type="featureclass" name="select layer" visible="true">
        <DATASET fromlayer="Countries" />
        <SPATIALQUERY>
            <SPATIALFILTER relation="area_intersection">
                <ENVELOPE maxy="30" maxx="30" miny="0" minx="0" />
            </SPATIALFILTER>
        </SPATIALQUERY>
        <SIMPLERENDERER>
            <SIMPLEPOLYGONSMBOL color="255,255,255" type="cross" />
        </SIMPLERENDERER>
    </LAYER>

</GET_IMAGE>
</REQUEST>
```

##### 5) When in REQUEST with GET\_FEATURES:

```
<ARCXML version="1.0.1">
    <REQUEST>
        <GET_FEATURES>
            <LAYER id="0" />
            <SPATIALQUERY subfields="AREA PERIMETER KR17XXX_ KR17XXX_ID RECNUM ZIPCODE
BLOCK BLKSUFF FIPSMCD MSA #SHAPE# #ID#" accuracy="2.7319690265490374E-6">
                <SPATIALFILTER relation="area_intersection">
                    <POLYGON>
                        <RING>
                            <POINT x="-87.73640582356195" y="41.84726275" />
                            <POINT x="-87.73640582356195" y="41.884308250000004" />
                            <POINT x="-87.68764017643805" y="41.884308250000004" />
                            <POINT x="-87.68764017643805" y="41.84726275" />
                            <POINT x="-87.73640582356195" y="41.84726275" />
                        </RING>
                    </POLYGON>
                </SPATIALFILTER>
            </SPATIALQUERY>
        </GET_FEATURES>
    </REQUEST>
</ARCXML>
```

**SQVAR****Tag Name:** SQVAR**Used in:** CONFIG, RESPONSE**Parent Tags:** STOREDQUERY**Attributes:**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
name	N	string	N/A	[%var%]	Defines string used to represent variable
position	N	integer	N/A	nonnegative value	Defines position of opening bracket in variable expression

**Sub Tags:**

Name	Required	Occurrences	Notes
FIELD	Y	one	

**Purpose :**

Defines a position of the query field in the where expression of the query tag.

**Restrictions:**

Handled only on the client side.

**Notes**

Position is the location in the string at the opening bracket “[“ in the variable expression. The parser will scan the string to the right and the value of 0 will scan the string starting at position 0. If &apos; is used, this is counted as one character.

**Example:**

```
<CONFIG>
  <MAP>
    <PROPERTIES>
      <ENVELOPE minx="-105.5" miny="-49.9" maxx="75.6" maxy="83.5"
        name="Initial_Extent" />
      <MAPUNITS units="DECIMAL_DEGREES" />
    </PROPERTIES>
    <WORKSPACES>
      <SHAPEWORKSPACE name="shp_ws-0" directory="<path to data>" />
    </WORKSPACES>
    <LAYER type="featureclass" name="CITIES" visible="true" id="2">
      <DATASET name="CITIES" type="point" workspace="shp_ws-0" />
      <SIMPLERENDERER>
        <SIMPLEMARKERSYMBOL type="square" width="5" />
      </SIMPLERENDERER>
    <EXTENSION type="StoredQuery">
      <STOREDQUERIES>
        <STOREDQUERY name="TestSt">
          <QUERY where=" ZIPL = &apos;[%var%]&apos; " subfields="#SHAPE# FNODE_ TNODE_ LPOLY_
            RPOLY_ LENGTH RECNUM L_F_ADD L_T_ADD R_F_ADD R_T_ADD PREFIX NAME TYPE SUFFIX CFCC ZIPL
            ZIPR" />
            <SQVAR position="0" name="[%var%]">
              <FIELD name="ZIPL" precision="0" type="12" size="5" />
            </SQVAR>
          </STOREDQUERY>
        </STOREDQUERIES>
      </EXTENSION>
    </LAYER>
  </MAP>
</CONFIG>
</ARCXML>
```

## STOREDQUERIES

**Tag Name:** STOREDQUERIES

**Used in:** CONFIG, RESPONSE

**Parent Tags:** EXTENSION, if type = "StoredQuery"

**Attributes:** None

**Sub Tags:**

Name	Required	Occurrences	Notes
STOREDQUERY	Y	many	

**Purpose:**

The main tag used around one or more STOREDQUERY expressions.

**Restrictions:**

Handled only on the client side.

**Notes**

None

**Example:**

When in CONFIG:

```
<EXTENSION type="StoredQuery">
  <STOREDQUERIES>
    <STOREDQUERY name="TestSt">
      <QUERY where=" ZIPL = &apos;[%var%]&apos; " subfields="#SHAPE# FNODE_ TNODE_ LPOLY_
      RPOLY_ LENGTH RECNUM L_F_ADD L_T_ADD R_F_ADD R_T_ADD PREFIX NAME TYPE SUFFIX CFCC ZIPL
      ZIPR"/>
      <SQVAR position="0" name="[%var%]">
        <FIELD name="ZIPL" precision="0" type="12" size="5" />
      </SQVAR>
    </STOREDQUERY>
  </STOREDQUERIES>
</EXTENSION>
```

## STOREDQUERY

**Tag Name:** STOREDQUERY

**Used in:** CONFIG, RESPONSE

**Parent Tags:** STOREDQUERIES

### Attributes

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
name	N	string	N/A	N/A	Stored query name

### Sub Tags:

Name	Required	Occurrences	Notes
QUERY	Y	one	
SQVAR	N	one	Describes the variable used inside the query

### Purpose:

Defines data for a particular stored query.

### Restrictions:

Handled only on the client side.

### Notes

None

### Example:

When in CONFIG:

```
<EXTENSION type="StoredQuery">
<STOREDQUERIES>
<STOREDQUERY name="TestSt">
<QUERY where=" ZIPL = &apos;[%var%]&apos; " subfields="#SHAPE# FNODE_ TNODE_ LPOLY_
RPOLY_ LENGTH RECNUM L_F_ADD L_T_ADD R_F_ADD R_T_ADD PREFIX NAME TYPE SUFFIX CFCC ZIPL
ZIPL" />
  <SQVAR position="0" name="[%var%]">
  <FIELD name="ZIPL" precision="0" type="12" size="5" />
  </SQVAR>
</STOREDQUERY>
</STOREDQUERIES>
</EXTENSION>
```

**TARGETLAYER****Tag Name:** TARGETLAYER**Used in:** REQUEST**Parent Tags:** BUFFER**Attributes**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
id	Y	string	N/A	N/A	Applies to a specific layer using its unique id as specified in CONFIG
name	N	string	N/A	N/A	May be used if layer defined in AXL file has no id; first layer found with name will be used

**Sub Tags:**

None

**Purpose:**

Defines a target layer to get features from when making a buffer request to a MapService.

**Restrictions:**

Must refer to an existing layer.

**Notes**

Use name attribute only when the layer defined in CONFIG has no id.

**Example:**

1) In this query, the buffer built around all features found in spatial filters will be used as a spatial filter to extract features from the target layer:

```
<SPATIALQUERY where="NAME = 'Los Angeles'" >
  <BUFFER distance="400" smoothedges="4" bufferunits="MILES">
    <TARGETLAYER id="CITIES" />
    <SPATIALQUERY subfields="#ALL#" />
  </BUFFER>
  <SPATIALFILTER ...>
    ...list of spatial filters ...
</SPATIALQUERY>
```

2) It is permitted to use BUFFER in both SPATIALFILTER and SPATIALQUERY at the same time:

```
<SPATIALQUERY where="NAME = 'Los Angeles'" >
  <BUFFER distance="400" smoothedges="4" bufferunits="MILES">
    <TARGETLAYER id="CITIES" />
    <SPATIALQUERY subfields="#ALL#" />
  </BUFFER>
  <SPATIALFILTER relation="area_intersection" >
    <BUFFER distance="100" smoothedges="1" bufferunits="FEET" />
    <MULTIPOINT>
      . . . .
    </SPATIALFILTER>
</SPATIALQUERY>
```

**TEXT****Tag Name:** TEXT**Used in:** CONFIG, REQUEST**Parent Tags:** OBJECT**Attributes:**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
coord	Y	XY	0,0	N/A	Any positive points within the image
label	Y	string	N/A	N/A	Text label

**Sub Tags:**

Name	Required	Occurrences	Notes
TEXTMARKERSYMBOL	Y	one	Only symbol allowed to be used with the TEXT tag

**Purpose :**

Used to place text on an acetate layer.

**Restrictions:**

None

**Notes**

None

**Example:**

1) When in CONFIG:

```

<ARCXML version="1.0.1">
  <CONFIG>
    <MAP>
      <PROPERTIES>
        <ENVELOPE minx="-141.003006" miny="41.913319" maxx="-52.620281" maxy="83.108322"
name="Initial_Extent" />
        <MAPUNITS units="DECIMAL_DEGREES" />
      </PROPERTIES>
      <WORKSPACES>
        <SHAPEWORKSPACE name="shp_ws-16" directory="<path to data>" />
      </WORKSPACES>
      <LAYER type="featureclass" name="province" visible="true" id="0">
        <DATASET name="province" type="polygon" workspace="shp_ws-16" />
        <SIMPLERENDERER>
          <SIMPLEPOLYGONSYMBOL fillcolor="227,127,227" filltype="solid" />
        </SIMPLERENDERER>
      </LAYER>
      <LAYER type="acetate" name="Selectedmark">
        <OBJECT units="pixel">
          <TEXT coord="100,100" label="Using text in an Acetate layer">
            <TEXTMARKERSYMBOL fontstyle="regular" fontsize="30" font="Times New Roman" />
          </TEXT>
        </OBJECT>
      </LAYER>
    </MAP>
  </CONFIG>
</ARCXML>

```

2) When in REQUEST:

```

<REQUEST>
  <GET_IMAGE>
    <PROPERTIES>
      <ENVELOPE minx="-180" miny="-90" maxx="180" maxy="90" />
      <IMAGESIZE width="643" height="502" />
    </PROPERTIES>
  </GET_IMAGE>
</REQUEST>

```

```
</PROPERTIES>
<LAYER type="acetate" name="acetate">
  <OBJECT units="pixel">
    <TEXT coord="100,100" label="You are here">
      <TEXTMARKERSYMBOL font="Arial" />
    </TEXT>
  </OBJECT>
</LAYER>
</GET_IMAGE>
</REQUEST>
```

## 6 Renderers

### *Introduction*

Renderers provide the framework for layer symbolization and label information. Each symbol and label used for a layer must be inside a renderer tag or sub tag. Only one symbol can be inside a given renderer tag or sub tag:

```
<RENDERER>
  <SYMBOL />
</RENDERER>
```

Several renderers are available to handle different scenarios:

**SIMPLERENDERER** draws features with a single symbol.

```
<SIMPLERENDERER>
  <SYMBOL />
</SIMPLERENDERER>
```

**VALUEMAPRENDERER** defines how to draw features based on ranges or values of attributes. The ranges are described in renderer sub tags.

```
<VALUEMAPRENDERER>
  <EXACT value>
    <SYMBOL />
  </EXACT>
  <OTHER> (optional)
    <SYMBOL />
  </OTHER>
</VALUEMAPRENDERER>
```

**SIMPLELABELRENDERER** draws label information.

```
<SIMPLELABELRENDERER>
  <TEXTSYMBOL />
</SIMPLELABELRENDERER>
```

**VALUEMAPLABELRENDERER** defines how to draw label features based on ranges or values of attributes. The ranges are described in renderer sub tags.

```
<VALUEMAPLABELRENDERER>
  <RANGE of values>
    <TEXTSYMBOL />
  </RANGE>
  <OTHER> (optional)
    <SYMBOL />
  </OTHER>
</VALUEMAPLABELRENDERER>
```

**GROUPRENDERER** defines a group of renderers that are used on the same feature.

```
<GROUPRENDERER>
  <SIMPLERENDERER>
    <SYMBOL />
  </SIMPLERENDERER>
  <SIMPLELABELRENDERER>
    <TEXTSYMBOL />
  </SIMPLELABELRENDERER>
</GROUPRENDERER>
```

SCALEDEPENDENTRENDERER defines the scale thresholds for when a particular symbol for a layer should be used.

```
<SCALEDEPENDENTRENDERER scale threshold>
  <SIMPLERENDERER>
    <SYMBOL />
  </SIMPLERENDERER>
</SCALEDEPENDENTRENDERER scale threshold>
```

## Label Attribute Descriptions

The label attributes are used with the two label renderers: SIMPLELABELRENDERER and VALUEMAPLABELRENDERER. Label attributes help to set priorities for label placement since all labeling through these renderers is done automatically. The labels will not overlap and are placed according to a set of rules. The type of feature being labeled and the parameters passed in by the user defines these sets of rules. If a good placement for a label cannot be found it is not drawn on the map.

The following definitions apply to renderer label attributes:

### Attributes for All Feature Types

When viewing your data at a small scale, you generally see fewer labels than at a larger scale. To increase the chance that particular features or types of features are labeled, you can assign those features a higher labeling priority, for example, you would probably assign a higher labeling priority to highways and a lower priority to residential streets.

**FEATUREWEIGHT** (*no\_weight, med\_weight, high\_weight*)

Use feature weight to prioritize the importance of features. The feature weight determines how important the feature labeled is for the label placement algorithm. If *no\_weight* is specified, then the feature has no importance and will be labeled upon. If *high\_weight* is specified, then the feature has high importance and will not be labeled upon. Giving importance to features increases the complexity of the labeling problem and also the processing time. The default is *no\_weight*.

```
<SIMPLELABELRENDERER field="NAME" featurweight="high_weight">
```

**LABELWEIGHT** (*no\_weight, medium\_weight, high\_weight*)

Use label weight to prioritize the importance of labels. The label weight is usually set to *high\_weight* since the labels are more important. This can be set lower if the labels do not bear as much importance as the feature. The default is *high\_weight*.

```
<VALUEMAPLABELRENDERER lookupfield="ADMN_CLASS" labelfield="ROUTE"
labelweight="medium_weight">
```

**LABELBUFFERRATIO**

Use label buffer ratio to set a buffer around the label. When this is set, no labels will overlap within the buffer range. The ratio is the fraction of the height or the width of the label rectangle (whichever is smaller) compared to the width of the buffer. A ratio of 0.0 means no buffer. A ratio of 1.0 means that the buffer is twice the size of the label (the label width equals the buffer width). A negative ratio causes the buffer to be smaller than the label. This can be used if you want labels to overlap.

```
<SIMPLELABELRENDERER field="NAME" labelbufferratio=".33">
```

**HOWMANYLABELS** (*one\_label\_per\_part, one\_label\_per\_name, one\_label\_per\_shape*)

This determines how often a feature will be labeled.

*One\_label\_per\_part* will label all parts of a feature in the case of multi-part features. For instance, the state of Hawaii consists of several islands, but they are grouped together as one polygon feature. Each island will be labeled.

*One\_label\_per\_name* will label once per feature name. When several features share the same name, only one label will be shown. For example, if there is more than one polygon with the name "Residential", only one "Residential" polygon will be labeled.

*One\_label\_per\_shape* will label once per feature even if there are multiple segments. For example, the group of islands that make up Hawaii will only be labeled once. If there are other features with the same name, they will also be labeled.

```
<SIMPLELABELRENDERER field="NAME" howmanylabels="one_label_per_shape">
```

## Attributes for Labeling Point Features

### LABELPRIORITIES

Label priorities determine where to place the label around the point. This attribute accepts 8 different weights, one for each position around the point. The input to this attribute would look like "1,2,3,4,5,6,7,8". Each position corresponds to the positions as shown below:

1	2	3
8	X	4
7	6	5

In each position, the user can prioritize the importance of that position from 0 upwards. 0 signifies that the label should not be placed in that position. A 1 means that this is an acceptable position for the label, and all higher numbers represent lesser priorities for that position. For example, "1,0,1,0,0,0,0,0" means that only the 1st and 3rd label positions will be taken into account when labeling. In another example, "1,2,3,0,1,0,0,0" means try to label at the 1st and 5th position; if not, then put the label at the 2nd position; if not, then put it at the 3rd position; if this is not possible, then don't label it.

```
<SIMPLELABELRENDERER field="NAME" labelpriorities="1,2,3,0,1,0,0,0">
```

Another option is to place a label on top of points rather than around points. To do this, use "LE\_PlaceOnTopHorizontal" for the label priority.

```
<SIMPLELABELRENDERER field="NAME" labelpriorities="LE_PlaceOnTopHorizontal">
```

### ROTATIONALANGLES

The rotational angles are possible angles that the label can be placed at, relative to the labeled point. By default, labels will always be placed horizontally. To rotate a label, a comma-delimited list of up to eight rotational angles can be given and are prioritized from first to last. For example, if the first priority is to place labels at 45 degrees and the second priority is at 30 degrees, the rotational angles attribute would look like this:

```
<SIMPLELABELRENDERER field="NAME" rotationalangles="45,30">
```

Label priorities always take precedence over rotational angles. If you find that your labels are not rotating as expected, remove the labelpriorities attribute if it is present. Alternatively, you can set all the label priorities to "0".

```
<SIMPLELABELRENDERER field="NAME" rotationalangles="45,30" >
```

or

```
<SIMPLELABELRENDERER field="NAME" labelpriorities="0,0,0,0,0,0,0,0"
rotationalangles="45,30" >
```

## Attributes for Labeling Line Features

### LINELABELPOSITION

Determines where on the line to place the label. The following options are available:

- PlaceNone – Do not place a label.
- PlaceAbove – Place above the line
- PlaceBelow – Place below the line

PlaceOnTop – Place on the line  
PlaceLeft – Place at the left side of the line  
PlaceRight – Place at the right side of the line  
PlaceAboveBelow – Place above or below the line  
PlaceLeftRight – Place at either side of the line  
PlaceInLine – Place anywhere on the line  
PlaceAtStart – Place at the beginning of the line  
PlaceAtEnd – Place at the end of the line  
PlaceAtEitherEnd – Place at the beginning or end of the line  
PlaceParallel – Place parallel to the line  
PlacePerpendicular – Place perpendicular to the line  
PlaceHorizontal – Place label so that it is always horizontal  
PlaceOnTopHorizontal – Place label on top of the line but always horizontal

```
<VALUEMAPLABELRENDERER lookupfield="ADMN_CLASS" labelfield="ROUTE"  
lineLabelposition="PlaceOnTop">
```

### **Attributes for Labeling Polygon Features**

No additional attributes are used with polygon features.

**EXACT****Tag Name:** EXACT**Used in:** CONFIG, REQUEST**Parent Tags:** VALUEMAPRENDERER, VALUEMAPLABELRENDERER**Attributes:**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
label	N	string	N/A	N/A	Label for map legend
method	N	specified values	IsExact	IsExact, isContained	Method of comparison with value
value	N	string/numeric	N/A	N/A	Value to match symbol with; can be numeric or a string

**Sub Tags:***With VALUEMAPLABELRENDERER:*

Name	Required	Occurrences	Notes
CALLOUTMARKERSYMBOL	N	one	
RASTERSHIELDSYMBOL	N	one	
SHIELDSYMBOL	N	one	
TEXTSYMBOL	N	one	

*With VALUEMAPRENDERER:*

Name	Required	Occurrences	Notes
GRADIENTFILLSYMBOL	N	one	
HASHLINESYMBOL	N	one	
RASTERFILLSYMBOL	N	one	
RASTERMARKERSYMBOL	N	one	
SIMPLELINESYMBOL	N	one	
SIMPLEMARKERSYMBOL	N	one	
SIMPLEPOLYGONSYMBOL	N	one	
TRUETYPEMARKERSYMBOL	N	one	

**Purpose :**

Used with VALUEMAPRENDERER and VALUEMAPLABELRENDERER for matching exact values within a specified field. When a match occurs, the symbol is drawn as specified for that EXACT value. Symbols within a value map can be different, but they must be valid for the layer type. For example, within a value map both SIMPLEPOLYGONSYMBOL and RASTERFILLSYMBOL can be used for describing a polygon layer.

**Restrictions:**

- If LAYER type="polygon", then polygon, line, and point symbols can be used.
- If LAYER type="line", then line and point symbols can be used.
- If LAYER type="point", then only point symbols can be used.

**Notes**

- EXACT can be used in the same value map with RANGE and OTHER.
- If there are leading or trailing blanks in a field value, they will be truncated before a comparison is made, for example, a field value of " Hello " will be interpreted as "Hello".
- The method attribute refers to the way a string value in EXACT is compared. String matches are case sensitive.
  - isExact: Looks for an exact match of the value.
  - isContained: Looks for the value anywhere in a string.

**Example:**

## 1) EXACT with VALUEMAPLABELRENDERER:

```
<LAYER type="featureclass" name="ROADS" visible="true" id="1">
<DATASET name="ROADS" type="line" workspace="shp_ws-12" />
  <GROUPRENDERER>
    <VALUEMAPLABELRENDERER lookupfield="ADMN_CLASS" labelfield="ROUTE"
linelabelposition="placeabove">
      <EXACT value="US Highway" label="US Highways" method="isContained" >
        <SHIELDSYMBOL antialiasing="true" font="Arial" fontstyle="regular" fontsize="10"
type="usroad" />
      </EXACT>
      <EXACT value="Interstate" label="Interstate Freeways" method="isContained" >
        <SHIELDSYMBOL labelmode="numericonly" antialiasing="true" font="Wingdings"
fontstyle="italic" fontsize="14" type="interstate" minsize="1"/>
      </EXACT>
      <OTHER>
        <TEXTSYMBOL font="Arial" fontstyle="regular" fontsize="10" />
      </OTHER>
    </VALUEMAPLABELRENDERER>
  <SIMPLERENDERER>
    <SIMPLELINESYMBOL type="solid" width="1" captype="round" jointype="round"
color="127,127,27" />
  </SIMPLERENDERER>
</GROUPRENDERER>
</LAYER>
```

## 2) EXACT with VALUEMAPRENDERER:

```
<LAYER type="featureclass" name="Crime" visible="true" id="2">
<DATASET name="Crime" type="point" workspace="shp_ws-6" />
  <VALUEMAPRENDERER lookupfield="CODE">
    <EXACT value="3" label="Level 3">
      <SIMPLEMARKERSYMBOL color="127,27,27" type="cross" width="6" />
    </EXACT>
    <EXACT value="2" label="Level 2">
      <SIMPLEMARKERSYMBOL color="227,27,27" type="triangle" width="6" />
    </EXACT>
    <EXACT value="1" label="Level 1">
      <TRUETYPEMARKERSYMBOL font="ESRI Cartography" character="252" fontcolor="255,255,0"
fontsize="16" />
    </EXACT>
  </VALUEMAPRENDERER>
</LAYER>
```

**GROUPTRENDERER****Tag Name:** GROUPTRENDERER**Used in:** CONFIG, REQUEST**Parent Tags:** LAYER, LAYERDEF, GROUPTRENDERER, SCALEDEPENDENTRENDERER**Attributes:** None**Sub Tags:**

Name	Required	Occurrences	Notes
GROUPTRENDERER	N	one	
SCALEDEPENDENTRENDERER	N	one	
SIMPLELABELRENDERER	N	one	
SIMPLERENDERER	N	one	
VALUEMAPLABELRENDERER	N	one	
VALUEMAPRENDERER	N	one	

At least one renderer must be specified; any number of renderers may be specified.

**Purpose:**

Used to group several renderers together to create more complex symbology.

**Restrictions:**

None

**Notes**

None

**Example:**

1) Grouping a symbol and label:

```
<LAYER type="featureclass" name="CITIES" visible="true" id="2">
<DATASET name="CITIES" type="point" workspace="shp_ws-4" />
  <GROUPTRENDERER>
    <SIMPLERENDERER>
      <SIMPLEMARKERSYMBOL color="227,127,227" width="6" />
    </SIMPLERENDERER>
    <SIMPLELABELRENDERER field="CITY_NAME" labelpriorities="0,0,1,0,0,0,0">
      <TEXTSYMBOL antialiasing="true" font="Arial" fontstyle="bold" fontsize="12"
printmode="alllower"/>
    </SIMPLELABELRENDERER>
  </GROUPTRENDERER>
</LAYER>
```

2) Grouping several value map renderers:

```
<LAYER type="featureclass" name="cities" visible="true" id="1">
<DATASET name="cities" type="point" workspace="shp_ws-4" />
  <GROUPTRENDERER>
    <VALUEMAPRENDERER lookupfield="POPULATION">
      <RANGE lower="-10000" upper="150000.0" label="Smaller">
        <SIMPLEMARKERSYMBOL color="51,102,51" width="8" />
      </RANGE>
      <RANGE lower="150001.0" upper="750000.0" label="Medium">
        <SIMPLEMARKERSYMBOL color="31,62,132" width="8" />
      </RANGE>
      <RANGE lower="750001.0" upper="3427180.0" label="Larger">
        <SIMPLEMARKERSYMBOL color="255,255,0" width="12" />
      </RANGE>
      <OTHER>
        <SIMPLEMARKERSYMBOL width="15" />
      </OTHER>
    </VALUEMAPRENDERER>
  </GROUPTRENDERER>
</LAYER>
```

```

</VALUEMAPRENDERER>
<VALUEMAPRENDERER lookupfield="POPULATION">
<RANGE lower="750001.0" upper="3427180.0" label="Larger">
  <SIMPLEMARKERSYMBOL color="33,33,33" width="8" />
</RANGE>
</VALUEMAPRENDERER>
<VALUEMAPRENDERER lookupfield="POPULATION">
<RANGE lower="750001.0" upper="3427180.0" label="Larger">
  <SIMPLEMARKERSYMBOL color="124,0,124" width="4" />
</RANGE>
</VALUEMAPRENDERER>
<VALUEMAPLABELRENDERER lookupfield="POPULATION" labelfield="NAME"
labelpriorities="1,0,0,0,0,0,0">
<RANGE lower="0.0" upper="150000.0">
  <TEXTSYMBOL font="Tahoma" fontstyle="regular" fontsize="10" />
</RANGE>
<RANGE lower="150001.0" upper="750000.0">
  <TEXTSYMBOL font="Arial" fontstyle="italic" fontsize="12" glowing="125,125,125" />
</RANGE>
<RANGE lower="750001.0" upper="3427180.0">
  <TEXTSYMBOL font="Times New Roman" fontstyle="bolditalic" fontsize="14"
glowing="255,255,0" shadow="0,0,0" />
</RANGE>
</VALUEMAPLABELRENDERER>
</GROUPRENDERER>
</LAYER>

```

**OTHER****Tag Name:** OTHER**Used in:** CONFIG, REQUEST**Parent Tags:** VALUEMAPRENDERER, VALUEMAPLABELRENDERER**Attributes:** None**Sub Tags:***With VALUEMAPLABELRENDERER:*

Name	Required	Occurrences	Notes
CALLOUTMARKERSYMBOL	N	one	
RASTERSHIELDSYMBOL	N	one	
SHIELDSYMBOL	N	one	
TEXTSYMBOL	N	one	

*With VALUEMAPRENDERER:*

Name	Required	Occurrences	Notes
GRADIENTFILLSYMBOL	N	one	
HASHLINESYMBOL	N	one	
RASTERFILLSYMBOL	N	one	
RASTERMARKERSYMBOL	N	one	
SIMPLELINESYMBOL	N	one	
SIMPLEMARKERSYMBOL	N	one	
SIMPLEPOLYGONSYMBOL	N	one	
TRUETYPEMARKERSYMBOL	N	one	

**Purpose:**

Used with VALUEMAPRENDERER and VALUEMAPLABELRENDERER as the default for rendering symbols that do not meet the criteria for any RANGE or EXACT values.

**Restrictions:**

- If LAYER type="Polygon", then polygon, line, and point symbols can be used.
- If LAYER type="line", then line and point symbols can be used.
- If LAYER type="point", then only point symbols can be used.

**Notes**

OTHER is normally used in the same value map with EXACT or RANGE, but is not required.

**Example:**

When in CONFIG and REQUEST:

```
<LAYER type="featureclass" name="Zoning" visible="true" id="1" minscale="1:20000"
maxscale="1:30000">
<DATASET name="ZONING" type="polygon" workspace="shp_ws-48" />
<VALUEMAPRENDERER lookupfield="ZONE">
<EXACT value="RA-MH" label="RA-MH">
<SIMPLEPOLYGONSYMBOL fillcolor="206,171,88" filltype="solid"
boundarycolor="206,171,88" />
</EXACT>
<EXACT value="O&amp;R-2" label="O&amp;R-2">
<SIMPLEPOLYGONSYMBOL fillcolor="216,11,254" filltype="solid"
boundarycolor="216,11,254" />
</EXACT>
<OTHER>
<SIMPLEPOLYGONSYMBOL fillcolor="128,128,128" boundarycolor="0,0,0" />
</OTHER>
</VALUEMAPRENDERER>
</LAYER>
```

**RANGE****Tag Name:** RANGE**Used in:** CONFIG, REQUEST**Parent Tags:** VALUEMAPRENDERER, VALUEMAPLABELRENDERER**Attributes:**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
lower	Y	string/ numeric	N/A	N/A	Lower value of range; can be numeric or a string
upper	Y	string/ numeric	N/A	N/A	Upper value of range; can be numeric or a string
equality	N	specified values	lower	all, upper, lower, none	Determines boundary behavior of range
label	N	string	N/A	N/A	Label for legend

**Sub Tags:***With VALUEMAPLABELRENDERER:*

Name	Required	Occurrences	Notes
CALLOUTMARKERSYMBOL	N	one	
RASTERSHIELDSYMBOL	N	one	
SHIELDSYMBOL	N	one	
TEXTSYMBOL	N	one	

*With VALUEMAPRENDERER:*

Name	Required	Occurrences	Notes
GRADIENTFILLSYMBOL	N	one	
HASHLINESYMBOL	N	one	
RASTERFILLSYMBOL	N	one	
RASTERMARKERSYMBOL	N	one	
SIMPLELINESYMBOL	N	one	
SIMPLEMARKERSYMBOL	N	one	
SIMPLEPOLYGONSYMBOL	N	one	
TRUETYPEMARKERSYMBOL	N	one	

**Purpose:**

Used with VALUEMAPRENDERER and VALUEMAPLABELRENDERER for defining a range of values for using the symbol. Symbols for different ranges within a value map can be different, but they must be valid for the layer type, for example, within a value map both SIMPLEPOLYGONSYMBOL and RASTERFILLSYMBOL can be used to describe a polygon layer.

**Restrictions:**

- If LAYER type="polygon", then polygon, line, and point symbols can be used.
- If LAYER type="line", then line and point symbols can be used.
- If LAYER type="point", then only point symbols can be used.

**Notes**

- The equality attribute defines the EXACT range.
- All: lower <= value <= upper
- Lower: lower <=value < upper
- Upper: lower < value <=upper

- None: lower < value < upper
- If there are leading or trailing blanks in a field value, the blanks will be truncated before a comparison is made, for example, a field value of " Hello " will be interpreted as "Hello".

**Example:**

## 1) RANGE with VALUEMAPLABELRENDERER:

```
<LAYER type="featureclass" name="cities" visible="true" id="1">
<DATASET name="cities" type="point" workspace="shp_ws-4" />
<GROUPRENDERER>
  <VALUEMAPLABELRENDERER lookupfield="POPULATION" labelfield="NAME" >
    <RANGE lower="0.0" upper="150000.0">
      <TEXTSYMBOL font="Tahoma" fontstyle="regular" fontsize="10" />
    </RANGE>
    <RANGE lower="150001.0" upper="750000.0">
      <TEXTSYMBOL font="Arial" fontstyle="italic" fontsize="12" glowing="125,125,125" />
    </RANGE>
    <RANGE lower="750001.0" upper="3427180.0">
      <TEXTSYMBOL font="Times New Roman" fontstyle="bolditalic" fontsize="14"
glowing="255,255,0" shadow="0,0,0" />
    </RANGE>
  </VALUEMAPLABELRENDERER>
  <SIMPLERENDERER>
    <SIMPLEMARKERSYMBOL color="51,102,51" width="8" />
  </SIMPLERENDERER>
</GROUPRENDERER>
</LAYER>
```

## 2) RANGE with VALUEMAPRENDERER:

```
<LAYER type="featureclass" name="Countries1" visible="true" id="100">
<DATASET name="CNTRY94" type="polygon" workspace="shp_ws-0" />
<VALUEMAPRENDERER lookupfield="AREA">
  <RANGE lower="0.0" upper="1000000.0" equality="all" label="Small">
    <SIMPLEPOLYGONSYMBOL filltype="solid" fillcolor="255,255,0" boundarywidth="1" />
  </RANGE>
  <RANGE lower="1000000.0" upper="3000000.0" equality="upper" label="Medium">
    <SIMPLEPOLYGONSYMBOL filltype="solid" fillcolor="255,146,0" boundarywidth="2" />
  </RANGE>
  <RANGE lower="3000000.0" upper="10000000.0" equality="upper" label="Large">
    <RASTERMARKERSYMBOL shadow="0,0,0" overlap="true"
url="http://arcims2/website/color.gif" image="C:\ArcIMS\WebSite\color.gif" />
  </RANGE>
  <OTHER>
    <SIMPLEPOLYGONSYMBOL filltype="solid" fillcolor="128,128,128" />
  </OTHER>
</VALUEMAPRENDERER>
</LAYER>
```

**SCALEDEPENDENTRENDERER****Tag Name:** SCALEDEPENDENTRENDERER**Used in:** CONFIG, REQUEST**Parent Tags:** LAYER, LAYERDEF, GROUPTRENDERER, SCALEDEPENDENTRENDERER**Attributes:**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
lower	N	double	1:1	N/A	Lower scale threshold to display renderer using a relative scale
upper	N	double	1:infinity	N/A	Upper scale threshold to display renderer using a relative scale

**Sub Tags:**

Name	Required	Occurrences	Notes
GROUPTRENDERER	N	one	
SCALEDEPENDENTRENDERER	N	one	
SIMPLELABELRENDERER	N	one	
SIMPLERENDERER	N	one	
VALUEMAPLABELRENDERER	N	one	
VALUEMAPRENDERER	N	one	

Use only one renderer.

**Purpose:**

Used to display specified rendering information at certain scales. A layer can have different renderings depending on the scale threshold, for example, when zoomed out, you can draw a street layer one pixel in width. As you zoom farther in, you can draw the street layer eight pixels in width and in a different color. Often used inside GROUPTRENDERER.

**Restrictions:**

- If LAYER type="polygon", then polygon, line, and point symbols can be used.
- If LAYER type="line", then line and point symbols can be used.
- If LAYER type="point", then only point symbols can be used.

**Notes**

Scale thresholds are set using relative scales, for example, 1:24000.

**Example:**

1) When in CONFIG and REQUEST:

```

<LAYER type="featureclass" name="streets" visible="true" id="2" >
  <DATASET name="streets" type="line" workspace="shp_ws-30" />
  <GROUPTRENDERER>
    <SCALEDEPENDENTRENDERER lower="1:20000" >
      <SIMPLERENDERER>
        <SIMPLELINESYMBOL type="solid" width="1" color="0,0,255" />
      </SIMPLERENDERER>
    </SCALEDEPENDENTRENDERER>
    <SCALEDEPENDENTRENDERER upper="1:20000">
      <SIMPLERENDERER>
        <SIMPLELINESYMBOL type="solid" width="4" color="255,0,0" />
      </SIMPLERENDERER>
    </SCALEDEPENDENTRENDERER>
    <SCALEDEPENDENTRENDERER lower="1:1" upper="1:20000">
      <SIMPLERENDERER>
        <SIMPLELINESYMBOL type="solid" width="1" color="0,0,0" />
      </SIMPLERENDERER>
    </SCALEDEPENDENTRENDERER>
  </GROUPTRENDERER>

```

```
</SCALEDEPENDENTRENDERER>
</GROUPRENDERER>
</LAYER>
```

## 2) Using different renderers inside a SCALEDEPENDENTRENDERER:

```
<LAYER type="featureclass" name="nyc_roads" visible="true" id="4" maxscale="1:35000">
<DATASET name="nyc_roads" type="line" workspace="shp_ws-0" />
```

```
<GROUPRENDERER>
  <SCALEDEPENDENTRENDERER lower="1:21300" >

    <VALUEMAPRENDERER lookupfield="ROAD_TYPE">
      <EXACT value="Freeway">
        <SIMPLELINESYMBOL type="solid" width="3" color="255,0,0" />
      </EXACT>
      <EXACT value="Street">
        <SIMPLELINESYMBOL type="solid" width="1" color="0,0,255" />
      </EXACT>
    </VALUEMAPRENDERER>

  </SCALEDEPENDENTRENDERER>

  <SCALEDEPENDENTRENDERER upper="1:21300">
    <GROUPRENDERER>

      <VALUEMAPRENDERER lookupfield="ROAD_TYPE">
        <EXACT value="Freeway">
          <SIMPLELINESYMBOL type="solid" width="9" color="0,0,0" />
        </EXACT>
        <EXACT value="Street">
          <SIMPLELINESYMBOL type="solid" width="8" color="255,255,255" />
        </EXACT>
      </VALUEMAPRENDERER>

      <VALUEMAPRENDERER lookupfield="ROAD_TYPE">
        <EXACT value="Freeway">
          <SIMPLELINESYMBOL type="solid" width="7" color="255,0,0" />
        </EXACT>
      </VALUEMAPRENDERER>

      <VALUEMAPRENDERER lookupfield="ROAD_TYPE">
        <EXACT value="Freeway">
          <SIMPLELINESYMBOL type="solid" width="1" color="255,255,255" />
        </EXACT>
      </VALUEMAPRENDERER>

    </GROUPRENDERER>
  </SCALEDEPENDENTRENDERER>

  <SCALEDEPENDENTRENDERER upper="1:25000">

    <VALUEMAPLABELRENDERER lookupfield="ROAD_TYPE" labelfield="NAME"
    LINELABELPOSITION="PlaceOnTop" HOWMANYLABELS="One_label_per_name">
      <EXACT value="Freeway">
        <TEXTSYMBOL font="Arial" fontsize="14" fontstyle="bold" fontcolor="0,0,255"
        glowing="153,153,153"/>
      </EXACT>
      <EXACT value="Street">
        <TEXTSYMBOL font="Arial" fontsize="14" fontstyle="bold" fontcolor="0,0,0" />
      </EXACT>
    </VALUEMAPLABELRENDERER>

  </SCALEDEPENDENTRENDERER>

</GROUPRENDERER>
</LAYER>
```

**SIMPLELABELRENDERER****Tag Name:** SIMPLELABELRENDERER**Used in:** CONFIG, REQUEST**Parent Tags:** LAYER, LAYERDEF, GROUPTRENDERER, SCALEDEPENDENTRENDERER**Attributes:**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
field	Y	string	N/A	N/A	Field containing text for labeling feature
featureweight	N	string	no_weight	no_weight, med_weight, high_weight	See label attributes
howmanylabels	N	string	N/A	one_label_per_name, one_label_per_shape, one_label_per_part	See label attributes
labelbufferratio	N	double	N/A	–	See label attributes
labelpriorities	N	string	2,2,1,4,5,3,2,4	0,0,0,0,0,0,0 – 8,8,8,8,8,8,8 or LE_PlaceOnTopHorizontal	See label attributes; defaults to upper right corner of point or priorities as listed; LE_PlaceOnTopHorizontal places labels on top of point
labelweight	N	string	high_weight	no_weight, med_weight, high_weight	See label attributes
linelabelposition	N	string	N/A	See label attributes	See label attributes
rotationalangles	N	string	N/A	See label attributes	See label attributes

**Sub Tags:**

Name	Required	Occurrences	Notes
CALLOUTMARKERSYMBOL	N	one	
RASTERSHIELDSYMBOL	N	one	
SHIELDSYMBOL	N	one	
TEXTSYMBOL	N	one	

Use only one symbol.

**Purpose:**

Used for labeling features. A field is specified for labeling all features of a particular layer. Generally used inside a GROUPTRENDERER along with the point, line, or polygon feature information.

**Restrictions:**

None

**Notes**

The labelpriorities attribute="LE\_PlaceOnTopHorizontal" is only used on the Spatial Server.

**Example:**

## 1) Point layer:

```
<LAYER type="featureclass" name="cities" visible="true" id="2">
  <DATASET name="cities" type="point" workspace="shp_ws-4" />
  <GROUPRENDERER>
    <SIMPLELABELRENDERER field="NAME" labelpriorities="0,0,1,2,2,0,0,0">
      <TEXTSYMBOL font="Arial" fontstyle="regular" fontsize="10" />
    </SIMPLELABELRENDERER>
    <SIMPLERENDERER>
      <SIMPLEMARKERSYMBOL color="255,0,255" width="8" />
    </SIMPLERENDERER>
  </GROUPRENDERER>
</LAYER>
```

## 2) Line layer:

```
<LAYER type="featureclass" name="ROADS" visible="true" id="2">
  <DATASET name="ROADS" type="line" workspace="shp_ws-30" />
  <GROUPRENDERER>
    <SIMPLELABELRENDERER field="ROUTE" linelabelposition="placeontop"
    howmanylabels="one_label_per_shape">
      <TEXTSYMBOL antialiasing="true" font="Arial" fontstyle="regular" fontsize="10" />
    </SIMPLELABELRENDERER>
    <SIMPLERENDERER>
      <SIMPLELINESYMBOL type="solid" width="1" color="127,27,127" />
    </SIMPLERENDERER>
  </GROUPRENDERER>
</LAYER>
```

## 3) Polygon layer:

```
<LAYER type="featureclass" name="CNTRY94" visible="true" id="10">
  <DATASET name="CNTRY94" type="polygon" workspace="shp_ws-2" />
  <GROUPRENDERER>
    <SIMPLERENDERER >
      <SIMPLEPOLYGONSYMBOL filltype="solid" fillcolor="113,169,249" />
    </SIMPLERENDERER>
    <SIMPLELABELRENDERER field="NAME" howmanylabels="one_label_per_part">
      <TEXTSYMBOL antialiasing="true" font="Comic Sans MS" fontsize="10" />
    </SIMPLELABELRENDERER>
  </GROUPRENDERER>
</LAYER>
```

**SIMPLERENDERER****Tag Name:** SIMPLERENDERER**Used in:** CONFIG, REQUEST**Parent Tags:** LAYER, LAYERDEF, GROUPTRENDERER, SCALEDEPENDENTRENDERER**Attributes:** None**Sub Tags:**

Name	Required	Occurrences	Notes
GRADIENTFILLSYMBOL	N	one	
HASHLINESYMBOL	N	one	
RASTERFILLSYMBOL	N	one	
RASTERMARKERSYMBOL	N	one	
SIMPLELINESYMBOL	N	one	
SIMPLEMARKERSYMBOL	N	one	
SIMPLEPOLYGONSYMBOL	N	one	
TRUETYPEMARKERSYMBOL	N	one	

One symbol must be specified; only one symbol is permitted.

**Purpose:**

Used to display features using one symbol.

**Restrictions:**

- If LAYER type="polygon", then polygon, line, and point symbols can be used.
- If LAYER type="line", then line and point symbols can be used.
- If LAYER type="point", then only point symbols can be used.

**Notes**

None

**Example:**

When in CONFIG and REQUEST:

```
<LAYER type="featureclass" name="STATES" visible="true" id="0">
  <DATASET name="STATES" type="polygon" workspace="shp_ws-0" />
  <SIMPLERENDERER>
    <SIMPLEPOLYGONSYMBOL fillinterval="6" boundarytransparency="1.0"
fillcolor="227,227,227" filltype="solid" boundarytype="solid" boundarywidth="1"
boundarycolor="0,0,0" />
  </SIMPLERENDERER>
</LAYER>
```

**VALUEMAPLABELRENDERER****Tag Name:** VALUEMAPLABELRENDERER**Used in:** CONFIG, REQUEST**Parent Tags:** LAYER, LAYERDEF, GROUPTRENDERER, SCALEDEPENDENTRENDERER**Attributes:**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
featureweight	N	string	no_weight	no_weight, med_weight, high_weight	See label attributes
howmanylabels	N	string	N/A	one_label_per_name, one_label_per_shape, one_label_per_part	See label attributes
labelbufferratio	N	double	N/A	–	See label attributes
labelfield	Y	string	N/A	N/A	Name of field containing text for labeling feature
labelpriorities	N	string	2,2,1,4,5,3,2,4	0,0,0,0,0,0,0 – 8,8,8,8,8,8,8 or LE_PlaceOnTopHorizontal	See label attributes; defaults to upper right corner of point or priorities as listed; LE_PlaceOnTopHorizontal places labels on top of point
labelweight	N	string	high_weight	no_weight, med_weight, high_weight	See label attributes
linelabelposition	N	string	N/A	See label attributes	See label attributes
lookupfield	Y	string	N/A	N/A	Name of field used for specifying ranges for RANGE or exact values for EXACT
rotationalangles	N	string	N/A	See label attributes	See label attributes

**Sub Tags:**

Name	Required	Occurrences	Notes
EXACT	N	many	Exact value in field to use symbol with
OTHER	N	one	Other values that do not meet the criteria of EXACT or RANGE values
RANGE	N	many	Range of values to use symbol with

**Purpose:**

Used for labeling features. A field is specified for labeling features based on criteria in VALUE or RANGE. Generally used inside a GROUPTRENDERER along with the point, line, or polygon feature information.

**Restrictions:**

None

**Notes**

The labelpriorities attribute="LE\_PlaceOnTopHorizontal" is only used on the Spatial Server.

**Example:**

## 1) Labels for a line layer using EXACT:

```
<LAYER type="featureclass" name="ROADS" visible="true" id="1">
<DATASET name="ROADS" type="line" workspace="shp_ws-0" />
<GROUPRENDERER>
  <VALUEMAPLABELRENDERER lookupfield="ADMN_CLASS" labelfield="ROUTE"
lineposition="placeontop" howmanylabels="one_label_per_shape">
    <EXACT value="US Highway" label="US Highway">
      <SHIELDSYMBOL font="Arial" fontstyle="regular" fontsize="10" type="usroad" />
    </EXACT>
    <EXACT value="Interstate" label="Interstate">
      <SHIELDSYMBOL antialiasing="true" font="Arial" fontstyle="regular" fontsize="10"
type="interstate" />
    </EXACT>
    <OTHER>
      <TEXTSYMBOL font="Arial" fontstyle="regular" fontsize="10" />
    </OTHER>
  </VALUEMAPLABELRENDERER>
<SIMPLERENDERER>
  <SIMPLELINESYMBOL type="solid" width="2" color="27,127,27" />
</SIMPLERENDERER>
</GROUPRENDERER>
</LAYER>
```

## 2) Labels for a point layer using different types of text labels in RANGE:

```
<LAYER type="featureclass" name="cities" visible="true" id="1">
<DATASET name="cities" type="point" workspace="shp_ws-4" />
<GROUPRENDERER>
  <VALUEMAPLABELRENDERER lookupfield="POPULATION" labelfield="NAME"
labelpriorities="1,0,0,0,0,0,0">
    <RANGE lower="0.0" upper="150000.0" label="Smallest">
      <TEXTSYMBOL font="Tahoma" fontstyle="regular" fontsize="10" />
    </RANGE>
    <RANGE lower="150001.0" upper="750000.0" label="Medium">
      <TEXTSYMBOL font="Arial" fontstyle="italic" fontsize="12" glowing="125,125,125" />
    </RANGE>
    <RANGE lower="750001.0" upper="3427180.0" label="Largest">
      <TEXTSYMBOL font="Times New Roman" fontstyle="bolditalic" fontsize="14"
glowing="255,255,0" shadow="0,0,0" />
    </RANGE>
  </VALUEMAPLABELRENDERER>
<SIMPLERENDERER>
  <SIMPLEMARKERSYMBOL color="51,102,51" width="8" />
</SIMPLERENDERER>
</GROUPRENDERER>
</LAYER>
```

**VALUEMAPRENDERER****Tag Name:** VALUEMAPRENDERER**Used in:** CONFIG, REQUEST**Parent Tags:** LAYER, LAYERDEF, GROUPRENDERER, SCALEDEPENDENTRENDERER**Attributes:**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
lookupfield	Y	string	N/A	N/A	Name of field used to specify ranges for RANGE or exact values for EXACT

**Sub Tags:**

Name	Required	Occurrences	Notes
EXACT	N	many	Exact value in field to use symbol with
OTHER	N	one	Other values that don't meet the criteria of EXACT or RANGE values
RANGE	N	many	Range of values to use symbol with

**Purpose:**

Used to render features according to the value in a specified field. Based on this field, a value map can be created to classify data. This is useful when different types of data are stored in the same layer.

**Restrictions:**

- If LAYER type="polygon", then polygon, line, and point symbols can be used.
- If LAYER type="line", then line and point symbols can be used.
- If LAYER type="point", the only point symbols can be used.

**Notes**

- Within the same value map, different types of symbols can be used. As an example, if a value map is done on a point layer, some points could be SIMPLEMARKERSYMBOLS, some points could be RASTERMARKERSYMBOLS, and some points could be TRUETYPEMARKERSYMBOLS. Example 1 gives an example where SIMPLEMARKERSYMBOL and TRUETYPEMARKERSYMBOL are used in the same value map.
- If the same symbol type is used throughout a value map, different attribute values can be used. For example, with SIMPLEPOLYGONSYMBOL some polygons can be solid while others cross diagonally.

**Example:**

1) VALUEMAPRENDERER using EXACT:

```
<LAYER type="featureclass" name="Crime" visible="true" id="2">
  <DATASET name="Crime" type="point" workspace="shp_ws-6" />
  <VALUEMAPRENDERER lookupfield="CODE">
    <EXACT value="1" label="Type 1">
      <SIMPLEMARKERSYMBOL color="27,127,27" type="triangle" width="6" />
    </EXACT>
    <EXACT value="2" label="Type 2">
      <SIMPLEMARKERSYMBOL color="227,27,27" type="circle" width="10" />
    </EXACT>
    <EXACT value="3" label="Type 3">
      <TRUETYPEMARKERSYMBOL transparency="1.0" glowing="0,255,255" font="ESRI Cartography"
fontstyle="bold" character="252" fontcolor="255,255,0" fontsize="16" />
    </EXACT>
    <OTHER>
```

```

    <SIMPLEMARKERSYMBOL type="square" width="4" />
  </OTHER>
</VALUEMAPRENDERER>
</LAYER>

```

## 2) VALUEMAPRENDERER using RANGE:

```

<LAYER type="featureclass" name="Countries" visible="true" id="1">
  <DATASET name="CNTRY94" type="polygon" workspace="shp_ws-0" />
  <VALUEMAPRENDERER lookupfield="AREA">
    <RANGE lower="0.0" upper="1000000.0" label="Small">
      <GRADIENTFILLSYMBOL type="horizontal" startcolor="255,0,0" finishcolor="0,255,0"
overlap="true" boundary="false" />
    </RANGE>
    <RANGE lower="1000000.001" upper="3000000.000" label="Medium">
      <SIMPLEPOLYGONSYMBOL filltype="cross" fillinterval="4" fillcolor="255,146,0" />
    </RANGE>
    <RANGE lower="3000000.001" upper="10000000" label="Large">
      <SIMPLEPOLYGONSYMBOL filltype="bdiagonal" fillinterval="6" fillcolor="255,37,0" />
    </RANGE>
    <OTHER>
      <SIMPLEPOLYGONSYMBOL filltype="solid" fillcolor="128,128,128" />
    </OTHER>
  </VALUEMAPRENDERER>
</LAYER>

```

## 3) Using VALUEMAPRENDERER to create a complex symbol for "Freeway":

```

<LAYER type="featureclass" name="nyc_roads" visible="true" id="4" maxscale="1:35000">
  <DATASET name="nyc_roads" type="line" workspace="shp_ws-0" />

  <GROUPRENDERER>
    <VALUEMAPRENDERER lookupfield="ROAD_TYPE">
      <EXACT value="Freeway">
        <SIMPLELINESYMBOL type="solid" width="9" captype="square" jointype="round"
color="0,0,0" />
      </EXACT>
      <EXACT value="Street">
        <SIMPLELINESYMBOL type="solid" width="8" captype="square" jointype="round"
color="255,255,255" />
      </EXACT>
      <OTHER>
        <SIMPLELINESYMBOL type="solid" width="1" captype="round" jointype="round"
color="0,0,255" />
      </OTHER>
    </VALUEMAPRENDERER>

    <VALUEMAPRENDERER lookupfield="ROAD_TYPE">
      <EXACT value="Freeway">
        <SIMPLELINESYMBOL type="solid" width="7" captype="square" jointype="round"
color="255,0,0" />
      </EXACT>
    </VALUEMAPRENDERER>

    <VALUEMAPRENDERER lookupfield="ROAD_TYPE">
      <EXACT value="Freeway">
        <SIMPLELINESYMBOL type="solid" width="3" captype="square" jointype="round"
color="0,0,0" />
      </EXACT>
    </VALUEMAPRENDERER>

    <VALUEMAPRENDERER lookupfield="ROAD_TYPE">
      <EXACT value="Freeway">
        <SIMPLELINESYMBOL type="solid" width="1" captype="round" jointype="round"
color="255,255,255" />
      </EXACT>
    </VALUEMAPRENDERER>

  </GROUPRENDERER>
</LAYER>

```

## 7 Symbols

The following definitions apply to symbol attributes:

**color:** The color value is in “red, green, blue” order. Each color is defined by a number between 0 and 255, for example, “0,0,0” is black; “255,255,255” is white; “255,0,0” is red; “0,255,0” is green.

**Width, interval, etc.:** These attributes of any symbol size are in pixels.

**font:** The system font to use. The font has platform dependence and must be available in the font directory of the Spatial Server computer for Image MapServices and on the client computer for Feature MapServices. If the system cannot find the font, it will use Arial as the default.

Font names are case sensitive (for example, use "Arial" instead of "arial"). For Feature MapServices and for display of symbols in the legend of ArcExplorer 3 or one of the Java Viewers, the font must reside on the client computer or it will default to an existing system font. Image MapServices do not require that the font be present on the client machine unless the symbol is displayed in the legend of ArcExplorer 3 or one of the Java Viewers.

Some font names contain an ampersand in the name, for example, ESRI Oil, Gas, & Water. The ampersand must be "escaped" in order for the XML parser to process it correctly. In the above example, the proper syntax would be: Font="ESRI Oil, Gas, &amp; Water"

**overlap:** Determines if labels can overlap a symbol. Overlap is set to true for each symbol by default and labels can overlap these symbols. If overlap is set to false, labels will not write over the symbol. If labels are not displaying as expected, check all symbols to see if overlap is set to false. Overlap is available only for Image MapServices and is ignored when using Feature MapServices.

**labelmode:** Defined for SimpleShieldSymbol and RasterShieldSymbol. It can be either “full” or “numericonly”. “full” will take the full label in the label field and put it into the shield; “numericonly” will only put in the numbers from that label.

**printmode:** Defined for TextSymbol and TextMarkerSymbol. It can have the following values:

- none:** No change is made to the label: Welcome to ArcIMS
- alllower:** All letters are lower case: welcome to arcims
- allupper:** All letters are upper case: WELCOME TO ARCIMS
- titlecaps:** The first letter of each word in a label is upper case and everything else is lower case: Welcome To Arcims

**CALLOUTMARKERSYMBOL****Tag Name:** CALLOUTMARKERSYMBOL**Used in:** CONFIG, REQUEST**Parent Tags:** SIMPLELABELRENDERER**Attributes**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
antialiasing	N	boolean specified values	false	true, false	Turns antialiasing on/off
backcolor	N	color	255,255,255	0,0,0 – 255,255,255	Background color
boundarycolor	N	color	0,0,0	0,0,0 – 255,255,255	Boundary color
font	N	string	default	any system font	Font name
fontcolor	N	color	0,0,0	0,0,0 – 255,255,255	Font color
fontsize	N	integer	12	1 – NNN	Font size
fontstyle	N	specified values	regular	regular, bold, italic, underline, outline, bolditalic	Font style
glowing*	N	color	N/A	0,0,0 – 255,255,255	Glowing color
interval	N	integer	10	0 – NNN	Distance between point and callout box; smaller number brings box closer to point
outline*	N	color	N/A	0,0,0 – 255,255,255	Outline color
shadow	N	color	N/A	0,0,0 – 255,255,255	Shadow color
transparency	N	double	1.0	0.0 – 1.0	Transparency coefficient

\* Only use one at a time.

**Sub Tags:**

None

**Purpose:**

Creates a callout box around each label.

**Restrictions:**

This symbol only works with point layers.

**Notes**

Outline and glowing should not be used together; use one or the other.

**Example:**

When in CONFIG and REQUEST:

```
<LAYER type="featureclass" name="CITIES1" visible="true" id="2">
  <DATASET name="CITIES" type="point" workspace="shp_ws-10" />
  <GROUPRENDERER>
    <SIMPLELABELRENDERER field="NAME">
      <CALLOUTMARKERSYMBOL font="Times New Roman" fontstyle="italic" fontsize="24"
fontcolor="0,0,255" glowing="255,0,0" shadow="0,0,50" bgcolor="0,255,0" interval="10"
boundarycolor="255,255,0" transparency="0.8" antialiasing="false" />
    </SIMPLELABELRENDERER>
    <SIMPLERENDERER>
      <SIMPLEMARKERSYMBOL color="127,27,27" type="circle" width="16" />
    </SIMPLERENDERER>
  </GROUPRENDERER>
</LAYER>
```

**GRADIENTFILLSYMBOL****Tag Name:** GRADIENTFILLSYMBOL**Used in:** CONFIG, REQUEST**Parent Tags:** SIMPLERENDERER, EXACT, RANGE, OTHER**Attributes:**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
antialiasing	N	boolean specified values	false	true, false	Turns antialiasing on/off
finishcolor	N	color	0,255,0	0,0,0 – 255,255,255	End color
overlap	N	boolean specified values	true	true, false	Overlap trigger
startcolor	N	color	255,0,0	0,0,0 – 255,255,255	Start color
transparency	N	double	1.0	0.0 – 1.0	Transparency coefficient
type	N	specified values	bdiagonal	bdiagonal, fdiagonal, horizontal, vertical	Symbol type

**Sub Tags:**

None

**Purpose :**

Fills the polygon with a gradual variation of colors ranging from startcolor to finishcolor.

**Restrictions:**

None

**Notes**

- This tag is not available from the Author interface.
- Overlap is available only for Image MapServices. It is ignored for Feature MapServices.

**Example:**

When in CONFIG and REQUEST:

```

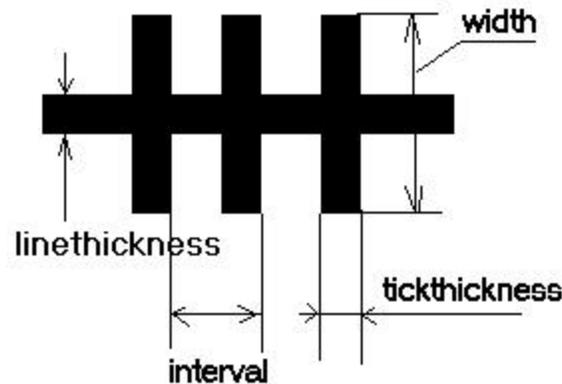
<LAYER type="featureclass" name="STATES" visible="true" id="1">
<DATASET name="STATES" type="polygon" workspace="shp_ws-5" />
  <SIMPLERENDERER>
    <GRADIENTFILLSYMBOL transparency="1.0" type="vertical" startcolor="0,255,0"
finishcolor="0,0,255" overlap="true" />
  </SIMPLERENDERER>
</LAYER>

```

**HASHLINESYMBOL****Tag Name:** HASHLINESYMBOL**Used in:** CONFIG, REQUEST**Parent Tags:** SIMPLERENDERER, EXACT, RANGE, OTHER**Attributes:**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
antialiasing	N	boolean specified values	false	true, false	Turns antialiasing on/off
color	N	color	0,0,0	0,0,0 – 255,255,255	Symbol color
interval	N	integer	8	0 – NNN	Distance between railroad crosshatches
linethickness	N	integer	1	1 – NNN	Line thickness
overlap	N	boolean specified values	true	true, false	Overlap trigger
tickthickness	N	integer	1	1 – NNN	Tick thickness
transparency	N	double	1.0	0.0 – 1.0	Transparency coefficient
type	N	specified values	foreground	foreground, background	Symbol type
width	N	integer	6	1 – NNN	Symbol width

Usually this symbol draws in two steps. If type is background, the symbol draws as a simple line. If type is foreground, the symbol draws as a railroad.

**Sub Tags:**

None

**Purpose:**

Line symbol for drawing 'railroad' symbols.

**Restrictions:**

None

**Notes**

- Overlap is available only for Image MapServices. It is ignored for Feature MapServices.
- If type is background, the symbol draws as a simple line without the crosshash. If type is foreground, the symbol draws as a railroad with the crosshash.

- HASHLINESYMBOL uses a smoothing algorithm on the line to get a better hash effect. If background and foreground lines are used, they will overlay each other exactly. If a different line symbol is used, the algorithm will not be applied.

**Example:**

When in CONFIG and REQUEST:

```
<LAYER type="featureclass" name="ROADS" visible="true" id="1">
<DATASET name="ROADS" type="line" workspace="shp_ws-0" />
  <SIMPLERENDERER>
    <HASHLINESYMBOL color="127,227,27" linethickness="8" tickthickness="8"
transparency="0.5" interval="16" width="16" type="foreground" antialiasing="false"
overlap="true" />
  </SIMPLERENDERER>
</LAYER>
```

**RASTERFILLSYMBOL****Tag Name:** RASTERFILLSYMBOL**Used in:** CONFIG, REQUEST**Parent Tags:** SIMPLERENDERER, EXACT, RANGE, OTHER**Attributes:**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
image	Y	string	N/A	path to image file	Accessed by Spatial Server
url	Y	string	N/A	url string	Used by client to retrieve image
antialiasing	N	boolean specified values	false	true, false	Turns antialiasing on/off
overlap	N	boolean specified values	true	true, false	Overlap trigger
transparency	N	double	1.0	0.0 – 1.0	Transparency coefficient

**Sub Tags:**

None

**Purpose:**

Takes the specified image and uses it to fill a polygon feature.

**Restrictions:**

None

**Notes**

- In the legend of an ArcIMS Viewer, the swatch showing a symbol is limited in size. Images over approximately 16x16 in size will be truncated to fill the swatch. The full image will display on the map.
- Acceptable image formats are JPG and GIF.

**Example:**

When in CONFIG and REQUEST:

```
<LAYER type="featureclass" name="province" visible="true" id="0">  
<DATASET name="province" type="polygon" workspace="shp_ws-4" />  
  <SIMPLERENDERER>  
    <RASTERFILLSYMBOL transparency="0.5" overlap="true"  
url="http://maps2.esri.com/website/color.gif" image="C:\ArcIMS\WebSite\color.gif"  
antialiasing="false"/>  
  </SIMPLERENDERER>  
</LAYER>
```

**RASTERMARKERSYMBOL****Tag Name:** RASTERMARKERSYMBOL**Used in:** CONFIG, REQUEST**Parent Tags:** SIMPLERENDERER, EXACT, RANGE, OTHER, POINT**Attributes:**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
image	Y	string	N/A	path to image file	Used by Spatial Server
url	Y	string	N/A	url string	Used by client to retrieve image
antialiasing	N	boolean specified value	false	true, false	Turns antialiasing on/off
hotspot	N	XY	centered	0,0 – N,N	Determines where image is placed in relation to point; 0,0 is top left corner, x,y is always positive and is measured in pixels
overlap	N	boolean specified value	true	true, false	Overlap trigger
shadow	N	color	N/A	0,0,0 – 255,255,255	Shadow color
size	N	XY	N/A	0,0 – N,N	Resizes bitmap to new size; 0,0 is top left corner, x,y is always positive and is measured in pixels
transparency	N	double	1.0	0.0 – 1.0	Transparency coefficient
usecentroid	N	boolean	false	true, false	By default a marker symbol used on polygon layers draws marker at all polygon vertices; if true, marker will be placed in the centroid of the polygon; if multiple polygon parts exist, it will fall on the part with biggest area

**Sub Tags:**

None

**Purpose:**

Symbolizes point features using the specified raster image.

**Restrictions:**

None

**Notes**

- Overlap is available only for Image MapServices. It is ignored for Feature MapServices.
- Acceptable image formats are JPG and GIF.

**Example:**

1) When in CONFIG and REQUEST:

```
<LAYER type="featureclass" name="CITIES1" visible="true" id="2">
<DATASET name="CITIES" type="point" workspace="shp_ws-10" />
  <SIMPLERENDERER>
    <RASTERMARKERSYMBOL shadow="0,0,0" overlap="true"
url="http://maps2.esri.com/website/color.gif" image="C:\ArcIMS\WebSite\color.gif"
transparency="1.0" size="16,16" hotspot="1,1" antialiasing="false" />
  </SIMPLERENDERER>
</LAYER>
```

2) Using usecentroid with a polygon layer:

```
<LAYER type="featureclass" name="CNTRY94" visible="true" id="0">
<DATASET name="CNTRY94" type="polygon" workspace="shp_ws-10" />
  <GROUPRENDERER>
    <SIMPLERENDERER>
      <SIMPLEPOLYGONSYMBOL filltype="solid" fillcolor="127,227,227" />
    </SIMPLERENDERER>
    <SIMPLERENDERER>
      <RASTERMARKERSYMBOL usecentroid="true"
url="http://arcims2.esri.com/website/color.gif"
image="C:\ArcIMS\WebSite\color.gif" size="16,16" />
    </SIMPLERENDERER>
  </GROUPRENDERER>
</LAYER>
```

**RASTERSHIELDSYMBOL****Tag Name:** RASTERSHIELDSYMBOL**Used in:** CONFIG, REQUEST**Parent Tags:** SIMPLELABELRENDERER, EXACT, RANGE, OTHER**Attributes:**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
image	Y	string	N/A	path to image file	Server reads
url	Y	string	N/A	url string	Client reads
antialiasing	N	boolean specified values	false	true, false	Turns antialiasing on/off
boundary	N	boolean specified values	false	true, false	Only used to draw boundary for Feature Server
font	N	string	default	any system font	Font name is case sensitive; if font name uses "&", use "&amp;" instead
fontcolor	N	color	0,0,0	0,0,0 – 255,255,255	Font color
fontsize	N	integer	12	1 – NNN	Font size
fontstyle	N	specified values	regular	regular, bold, italic, underline, outline, bolditalic	Font style
labelmode	N	specified values	numericonly	full, numericonly	Draws shield using custom image
printmode	N	specified values	none	titlecaps, allupper, alllower, none	Printing mode
shadow	N	color	N/A	0,0,0 – 255,255,255	Shadow color
textposition	N	XY	N/A	0,0 – N,N	Determines where text is placed in relation to shield image; 0,0 is top left corner; x,y is always positive and measured in pixels; if this attribute is missed, then text is placed in center of shield image
transparency	N	double	1.0	0.0 – 1.0	Transparency coefficient

**Sub Tags:**

None

**Purpose :**

A raster shield is a user-specified image and is used as a custom shield to identify roads (or other line features). The text associated with the image comes from a specified field and is placed on top of the image.

**Restrictions:**

None

**Notes**

- The tag is not available from the Author interface.
- Acceptable image formats are JPG and GIF.
- In labelmode, "full" uses the entire field value, for example, I-80; "numericonly" uses only numbers within the field, for example, I-80 would be displayed as 80.
- The field for text is specified in the associated label renderer tag. The label should be used inside a group renderer along with the line symbol information.
- The image needs to be wide enough to support any long text. The image will not automatically resize to accommodate long strings.

**Example:**

## 1) When in CONFIG:

```
<LAYER type="featureclass" name="ROADS" visible="true" id="1">
<DATASET name="ROADS" type="line" workspace="shp_ws-4" />
  <GROUPRENDERER>
    <SIMPLELABELRENDERER field="ROUTE">
      <RASTERSHIELDSYMBOL transparency="1.0" font="Arial" fontstyle="bolditalic"
fontsize="16" fontcolor="255,255,255" shadow="125,125,125" printmode="alllower"
labelmode="numericonly" textposition="4,4" antialiasing="true"
url="http://maps2.esri.com/website/color.gif" image="c:\arcims\website\shield.gif" />
    </SIMPLELABELRENDERER>
    <SIMPLERENDERER>
      <SIMPLELINESYMBOL type="solid" width="1" captype="round" jointype="round"
color="255,0,0" />
    </SIMPLERENDERER>
  </GROUPRENDERER>
</LAYER>
```

## 2) When in REQUEST:

```
<LAYER type="featureclass" name="ROADS2" visible="true" id="100">
<DATASET name="ROADS" type="line" workspace="shp_ws-12" />
  <GROUPRENDERER>
    <VALUEMAPLABELRENDERER lookupfield="ADMN_CLASS" labelfield="ROUTE"
linelabelposition="placeabove">
      <EXACT value="State Highway" label="State Highway">
        <RASTERSHIELDSYMBOL font="Arial" fontstyle="bold" fontsize="16"
fontcolor="255,255,255" labelmode="numericonly"
url="http://maps2.esri.com/website/state.gif" image="c:\arcims\website\state.gif" />
      </EXACT>
      <EXACT value="US Highway" label="US Highway">
        <RASTERSHIELDSYMBOL font="Arial" fontstyle="bold" fontsize="16" fontcolor="0,0,0"
labelmode="numericonly" url="http://maps2.esri.com/website/us.gif"
image="c:\arcims\website\us.gif" />
      </EXACT>
      <EXACT value="Interstate" label="Interstate">
        <RASTERSHIELDSYMBOL font="Arial" fontstyle="bold" fontsize="16"
fontcolor="255,255,255" labelmode="numericonly"
url="http://maps2.esri.com/website/interstate.gif"
image="c:\arcims\website\interstate.gif" />
      </EXACT>
      <OTHER>
        <RASTERSHIELDSYMBOL transparency="1.0" font="Arial" fontstyle="bolditalic"
fontsize="16" fontcolor="255,255,255" shadow="125,125,125"
url="http://maps2.esri.com/website/other.gif" image="c:\arcims\website\other.gif" />
      </OTHER>
    </VALUEMAPLABELRENDERER>
    <SIMPLERENDERER>
      <SIMPLELINESYMBOL type="solid" width="1" captype="round" jointype="round"
color="33,44,27" />
    </SIMPLERENDERER>
  </GROUPRENDERER>
</LAYER>
```

**SHIELDSYMBOL****Tag Name:** SHIELDSYMBOL**Used in:** CONFIG, REQUEST**Parent Tags:** SIMPLELABELRENDERER, EXACT, RANGE, OTHER**Attributes:**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
type	Y	specified values	N/A	interstate, usroad, rect, oval	Symbol type
antialiasing	N	boolean specified values	false	true, false	Antialiasing status
font	N	string	default	any system font	Font name is case sensitive; if font name uses "&", use "&amp;" instead
fontcolor	N	color	0,0,0	0,0,0 – 255,255,255	Font color
fontsize	N	integer	12	1 – NNN	Font size
fontstyle	N	specified values	regular	regular, bold, italic, underline, outline, bolditalic	Font style
labelmode	N	specified values	full	full, numericonly	Draws shield using custom image
minsize	N	integer	1	1 – n	Sets shield size to minimum size in characters; by default, shield expands to length of text
shadow	N	color	N/A	0,0,0 – 255,255,255	Shadow color

**Sub Tags:**

None

**Purpose:**

Symbol for drawing a predefined set of highway shields: U.S. Interstate, U.S. Highway, white rectangle, and white oval.

**Restrictions:**

None

**Notes**

- Labelmode="full" is designed for a maximum of 4 characters. If more than four characters are needed, RASTERSHIELDSYMBOL should be used.
- The field for text is specified in the associated label renderer tag. The label should be used inside a group renderer along with the line symbol information.

**Example:**

1) When in CONFIG:

```
<LAYER type="featureclass" name="ROADS" visible="true" id="1">
<DATASET name="ROADS" type="line" workspace="shp_ws-16" />
  <GROUPRENDERER>
    <SIMPLERENDERER>
      <SIMPLELINESYMBOL transparency="1.0" type="solid" width="8" capttype="round"
jointype="round" color="27,127,27" />
    </SIMPLERENDERER>
  </GROUPRENDERER>
</LAYER>
```

```
</SIMPLERENDERER>
<SIMPLELABELRENDERER field="ROUTE" linelabelposition="placeontop">
  <SHIELDSYMBOL antialiasing="true" font="Arial" shadow="0,0,0" fontstyle="regular"
  fontsize="10" fontcolor="255,255,255" labelmode="numericonly" type="interstate" />
</SIMPLELABELRENDERER>
</GROUPRENDERER>
</LAYER>
```

## 2) When in REQUEST:

```
<LAYER type="featureclass" name="ROADS" visible="true" id="1">
<DATASET name="ROADS" type="line" workspace="shp_ws-12" />
  <GROUPRENDERER>
    <VALUEMAPLABELRENDERER lookupfield="ADMN_CLASS" labelfield="ROUTE"
    linelabelposition="placeabove">
      <EXACT value="State Highway" label="State Highway">
        <SHIELDSYMBOL antialiasing="true" font="Arial" fontstyle="regular" fontsize="10"
        type="oval" />
      </EXACT>
      <EXACT value="US Highway" label="US Highway">
        <SHIELDSYMBOL antialiasing="true" font="Arial" fontstyle="regular" fontsize="10"
        type="usroad" />
      </EXACT>
      <EXACT value="Interstate" label="Interstate">
        <SHIELDSYMBOL labelmode="numericonly" antialiasing="true" font="Wingdings"
        fontstyle="italic" fontsize="14" type="interstate" minsize="1"/>
      </EXACT>
    </VALUEMAPLABELRENDERER>
    <SIMPLERENDERER>
      <SIMPLELINESYMBOL type="solid" width="1" captype="round" jointype="round"
      color="127,127,27" />
    </SIMPLERENDERER>
  </GROUPRENDERER>
</LAYER>
```

## SIMPLELINESYMBOL

**Tag Name:** SIMPLELINESYMBOL

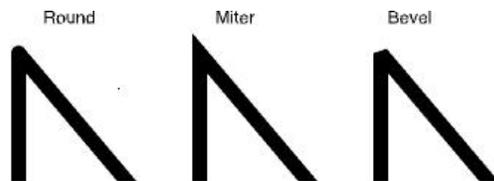
**Used in:** CONFIG, REQUEST

**Parent Tags:** SIMPLERENDERER, EXACT, RANGE, OTHER

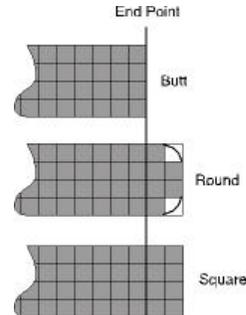
**Attributes:**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
antialiasing	N	boolean specified values	false	true, false	Turns antialiasing on/off
captype	N	specified values	round	butt, round, square	Line end style
color	N	color	0,0,0	0,0,0 – 255,255,255	Symbol color
jointype	N	specified values	round	round, miter, bevel	Line join style
overlap	N	boolean specified values	true	true, false	Overlap trigger
transparency	N	double	1.0	0.0 – 1.0	Transparency coefficient
type	N	specified values	solid	solid, dash, dot, dash_dot, dash_dot_dot	Line type
width	N	integer	0	0 – NNN	Line width

jointypes:



captypes:



**Sub Tags:**

None

**Purpose:**

Symbol for line features.

**Restrictions:**

None

**Notes**

Overlap is not implemented on the client.

**Example:**

1) When in CONFIG:

```
<LAYER type="featureclass" name="ROADS" visible="true" id="1">
<DATASET name="ROADS" type="line" workspace="shp_ws-20" />
<SIMPLERENDERER>
<SIMPLELINESYMBOL transparency="0.7" type="dash" width="1" captype="round"
jointype="round" color="127,227,27" antialiasing="false" overlap="true" />
```

```
</SIMPLERENDERER>  
</LAYER>
```

2) When in REQUEST (a complex line with a thick black line as the bottommost layer, a thinner red line as the middle layer, and a thin white line on top) :

```
<LAYER type="featureclass" name="ROADS0" visible="true" id="2">  
<DATASET name="ROADS" type="line" workspace="shp_ws-20" />  
  <GROUPRENDERER>  
    <SIMPLERENDERER>  
      <SIMPLELINESYMBOL transparency="1.0" type="solid" width="8" captype="round"  
jointype="round" color="0,0,0" />  
    </SIMPLERENDERER>  
    <SIMPLERENDERER>  
      <SIMPLELINESYMBOL transparency="1.0" type="solid" width="6" captype="round"  
jointype="round" color="255,0,0" />  
    </SIMPLERENDERER>  
    <SIMPLERENDERER>  
      <SIMPLELINESYMBOL transparency="1.0" type="solid" width="1" captype="round"  
jointype="round" color="255,255,255" />  
    </SIMPLERENDERER>  
  </GROUPRENDERER>  
</LAYER>
```



**SIMPLEMARKERSYMBOL****Tag Name:** SIMPLEMARKERSYMBOL**Used in:** CONFIG, REQUEST**Parent Tags:** SIMPLERENDERER, EXACT, RANGE, OTHER, POINT**Attributes:**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
antialiasing	N	boolean specified values	false	true, false	Turns antialiasing on/off
color	N	color	0,0,0	0,0,0 – 255,255,255	Symbol color
overlap	N	boolean specified values	true	true, false	Overlap trigger
outline	N	color	N/A	0,0,0 – 255,255,255	Outline color
shadow	N	color	N/A	0,0,0 – 255,255,255	Shadow color
transparency	N	double	1.0	0.0 – 1.0	Transparency coefficient
type	N	specified values	circle	circle, triangle, square, cross, star	Symbol type
width	N	integer	3	1 – NNN	Symbol width
usecentroid	N	boolean	false	true, false	By default a marker symbol used on polygon layers draws marker at all polygon vertices; if true marker, will be placed in the centroid of the polygon; if multiple polygon parts exist, it will fall on the part with biggest area

**Sub Tags:**

None

**Purpose:**

Used to symbolize point features using one of the predefined symbol types: circle, triangle, square, cross, or star.

**Restrictions:**

None

**Notes**

Overlap is available only for Image MapServices. It is ignored when using Feature MapServices.

**Example:**

1) When in CONFIG and REQUEST:

```
<LAYER type="featureclass" name="cities" visible="true" id="1">
<DATASET name="cities" type="point" workspace="shp_ws-20" />
<SIMPLERENDERER>
  <SIMPLEMARKERSYMBOL transparency="1.0" color="0,255,0" type="square" width="16"
  shadow="0,0,0" outline="255,0,0" antialiasing="true" overlap="true" />
</SIMPLERENDERER>
</LAYER>
```

## 2) Using usecentroid with a polygon layer:

```
<?xml version="1.0" encoding="Cp1252"?>

<ARCXML version="1.0.1">
  <CONFIG>
    <MAP>
      <PROPERTIES>
        <ENVELOPE minx="-173.0" miny="-90.0" maxx="180.0" maxy="83.0"
name="Initial_Extent" />
        <MAPUNITS units="DECIMAL_DEGREES" />
      </PROPERTIES>
      <WORKSPACES>
        <SHAPEWORKSPACE name="shp_ws-4" directory="<path to data>" />
      </WORKSPACES>
      <LAYER type="featureclass" name="CNTRY94 bbb" visible="true" id="120">
        <DATASET name="CNTRY94" type="polygon" workspace="shp_ws-4" />
        <GROUPRENDERER>
          <SIMPLERENDERER>
            <SIMPLEPOLYGONSYMBOL filltype="solid" fillcolor="0,227,0" />
          </SIMPLERENDERER>
          <SIMPLERENDERER >
            <SIMPLEMARKERSYMBOL usecentroid="true" color="127,127,227"
width="18" />
          </SIMPLERENDERER>
        </GROUPRENDERER>
      </LAYER>
    </MAP>
  </CONFIG>
</ARCXML>
```

**SIMPLEPOLYGONSMBOL****Tag Name:** SIMPLEPOLYGONSMBOL**Used in:** CONFIG, REQUEST**Parent Tags:** SIMPLERENDERER, EXACT, RANGE, OTHER**Attributes:**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
antialiasing	N	boolean specified values	false	true, false	Turns antialiasing on/off
boundary	N	boolean specified values	true	true, false	Turns boundary on/off
boundarycaptype	N	specified values	butt	butt, round, square (see SIMPLELINESYMBOL)	Boundary end style
boundarycolor	N	color	0,0,0	0,0,0 – 255,255,255	Boundary color
boundaryjointype	N	specified values	round	round, miter, bevel (see SIMPLELINESYMBOL)	Boundary join style
boundarytransparency	N	double	1.0	0.0 – 1.0	Boundary transparency coefficient
boundarytype	N	specified values	solid	solid, dash, dot, dash_dot, dash_dot_dot	Boundary type
boundarywidth	N	integer	0	0 – NNN	Boundary width
fillcolor	N	color	0,200,0	0,0,0 – 255,255,255	Fill color
fillinterval	N	integer	6	2 – NNN	Fill interval for hatch fills
filltransparency	N	double	1.0	0.0 – 1.0	Fill transparency coefficient
filltype	N	specified values	solid	solid, bdiagonal, fdiagonal, cross, diagcross, horizontal, vertical, gray, lightgray, darkgray	Symbol fill type
overlap	N	boolean specified values	true	true, false	Overlap trigger
transparency	N	double	1.0	0.0 – 1.0	Transparency coefficient

**Sub Tags:**

None

**Purpose :**

Symbol for polygon features..

**Restrictions:**

None

**Notes**

- Overlap is available only for Image MapServices. It is ignored for Feature MapServices.
- Transparency takes precedence over filltransparency and boundarytransparency.
- For more complex boundary symbols, SIMPLELINESYMBOL can be used on polygon layers.

**Example:**

When in CONFIG and REQUEST:

```
<LAYER type="featureclass" name="CNTRY94" visible="true" id="0">
<DATASET name="CNTRY94" type="polygon" workspace="shp_ws-10" />
  <SIMPLERENDERER>
    <SIMPLEPOLYGONSYMBOL antialiasing="true" fillcolor="255,0,0" fillinterval="8"
filltype="diagcross" filltransparency="0.6" boundarywidth="4" boundarycolor="64,64,0"
boundarytype="dash_dot_dot" boundarycaptype="round" boundaryjointype="bevel"
boundarytransparency="0.6" boundary="true" overlap="true" />
  </SIMPLERENDERER>
</LAYER>
```

**TEXTMARKERSYMBOL****Tag Name:** TEXTMARKERSYMBOL**Used in:** CONFIG, REQUEST**Parent Tags:** TEXT**Attributes:**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
angle	N	double	0	0.0 – 360.0	Angle of rotation in degrees going counterclockwise; 0 degrees is horizontal
antialiasing	N	boolean specified values	false	true, false	Turns antialiasing on/off
blockout	N	color	N/A	0,0,0 – 255,255,255	Background color
font	N	string	default	any system font	Font name
fontcolor	N	color	0,0,0	0,0,0 – 255,255,255	Font color
fontsize	N	integer	10	1 – NNN	Font size
fontstyle	N	specified values	regular	regular, bold, italic, underline, outline, bolditalic	Font style
glowing*	N	color	N/A	0,0,0 – 255,255,255	Glowing color
halignment	N	specified values	right	left, center, right	Horizontal alignment of label compared to label point
interval	N	integer	0	0 – NNN	Distance between point and printed label
outline*	N	color	N/A	0,0,0 – 255,255,255	Outline color
overlap	N	boolean specified values	true	true, false	Overlap trigger
printmode	N	specified values	none	titlecaps, allupper, alllower, none	Printing mode
transparency	N	double	1.0	0.0 – 1.0	Transparency coefficient
valignment	N	specified values	top	top, center, bottom	Vertical alignment of label compared to label point

\* Only use one at a time.

**Sub Tags:**

None

**Purpose :**

Used to add static text to an acetate layer.

**Restrictions:**

- Only used for acetate layers.
- Only used for Image MapServices. Acetate layer information is ignored for Feature MapServices.
- Only used in HTML Viewers. Acetate layer information is ignored for the Java Viewers.

**Notes**

- Overlap is available only for Image MapServices. It is ignored for Feature MapServices.
- Outline and glowing should not be used together; use one or the other.
- Acetate layer information is ignored by the Java Viewers.

**Example:**

## 1) When in CONFIG:

```
<CONFIG>
  <MAP>
    <PROPERTIES>
      <ENVELOPE minx="-180.0" miny="-152.99999999999997" maxx="180.0"
maxy="153.00000000000003" />
      <LEGEND title="Legend" />
    </PROPERTIES>

    <WORKSPACES>
      <SHAPEWORKSPACE name="shp_ws-0" directory="<path to data>" />
    </WORKSPACES>

    <LAYER type="Featureclass" name="Countries94" visible="true">
      <DATASET name="cntry94" type="polygon" workspace="shp_ws-0" />
      <QUERY where="NAME LIKE &apos;A&apos;" />
      <SIMPLERENDERER>
        <SIMPLEPOLYGONSYMBOL color="255,0,0" type="solid" />
      </SIMPLERENDERER>
    </LAYER>

    <LAYER type="Acetate" name="test" visible="true">
      <OBJECT units="pixel">
        <TEXT coord="100,100" label="You are here">
          <TEXTMARKERSYMBOL font="Arial" />
        </TEXT>
      </OBJECT>
    </LAYER>
  </MAP>
</CONFIG>
```

## 2) When in REQUEST:

```
<REQUEST>
  <GET_IMAGE>
    <PROPERTIES>
      <ENVELOPE minx="-180" miny="-90" maxx="180" maxy="90" />
      <IMAGESIZE width="643" height="502" />
    </PROPERTIES>
    <LAYER type="acetate" name="acetate">
      <OBJECT units="pixel">
        <TEXT coord="100,100" label="You are here">
          <TEXTMARKERSYMBOL font="Arial" />
        </TEXT>
      </OBJECT>
    </LAYER>
  </GET_IMAGE>
</REQUEST>
```

**TEXTSYMBOL****Tag Name:** TEXTSYMBOL**Used in:** CONFIG, REQUEST**Parent Tags:** SIMPLERENDERER, EXACT, RANGE, OTHER**Attributes:**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
antialiasing	N	boolean specified values	false	true, false	Turns antialiasing on/off
blockout	N	color	N/A	0,0,0 – 255,255,255	Background color
font	N	string	default	any system font	Font name; escape fonts with & to &amp; case sensitive
fontcolor	N	color	0,0,0	0,0,0 – 255,255,255	Font color
fontsize	N	integer	12	1 – NNN	Font size
fontstyle	N	specified values	regular	regular, bold, italic, underline, outline, bolditalic	Font style
glowing	N	color	N/A	0,0,0 – 255,255,255	Glowing color
interval	N	integer	0	0 – NNN	Distance in pixels from point 0
outline	N	color	N/A	0,0,0 – 255,255,255	Outline color
printmode	N	specified values	none	titlecaps, allupper, alllower, none	Printing mode
shadow	N	color	N/A	0,0,0 – 255,255,255	Shadow color
transparency	N	double	1.0	0.0 – 1.0	Transparency coefficient

**Sub Tags:**

None

**Purpose:**

Symbol used to label point, line, and polygon layers.

**Restrictions:**

Outline and glowing should not be used together; use one or the other.

**Notes**

Overlap is available only for Image MapServices. It is ignored when using Feature MapServices.

**Example:**

When in CONFIG and REQUEST:

```
<LAYER type="featureclass" name="CNTRY94" visible="true" id="0">
```

```
<DATASET name="CNTRY94" type="polygon" workspace="shp_ws-6" />
  <GROUPRENDERER>
    <SIMPLELABELRENDERER field="NAME">
      <TEXTSYMBOL transparency="0.8" printmode="titlecaps" antialiasing="true"
font="Courier New" fontstyle="bolditalic" fontsize="12" glowing="255,0,255"
shadow="255,200,0" fontcolor="0,255,100" blockout="124,124,124" interval="3" />
    </SIMPLELABELRENDERER>
    <SIMPLERENDERER>
      <SIMPLEPOLYGONSYMBOL filltransparency="1.0" filltype="solid" fillcolor="227,27,27"
boundarytype="solid" boundarywidth="1" boundarycolor="0,0,0" />
    </SIMPLERENDERER>
  </GROUPRENDERER>
</LAYER>
```

**TRUETYPEMARKERSYMBOL****Tag Name:** TRUETYPEMARKERSYMBOL**Used in:** CONFIG, REQUEST**Parent Tags:** SIMPLERENDERER, EXACT, RANGE, OTHER, POINT**Attributes:**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
character	Y	integer	N/A	32-255	Text character in font containing symbol to use in a decimal notation
angle	N	double	0	0.0 – 360.0	Angle of rotation in degrees starting at the top and working counterclockwise
antialiasing	N	boolean specified values	false	true, false	Turns antialiasing on/off
font	N	string	default	any system font	Font name; escape fonts with & to &amp; case sensitive
fontcolor	N	color	0,0,0	0,0,0 – 255,255,255	Font color
fontsize	N	integer	12	1 – NNN	Font size
fontstyle	N	specified values	regular	regular, bold, italic, underline, outline, bolditalic	Font style
glowing*	N	color	N/A	0,0,0 – 255,255,255	Glowing color
outline	N	color	N/A	0,0,0 – 255,255,255	Outline color
overlap*	N	boolean	true	true, false	Angle of rotation in degrees
shadow	N	color	N/A	0,0,0 – 255,255,255	Shadow color
transparency	N	double	1.0	0.0 – 1.0	Transparency coefficient
usecentroid	N	boolean	false	true, false	By default a marker symbol used on polygon layers draws marker at all polygon vertices; if true, marker will be placed in the centroid of the polygon; if multiple polygon parts exist, it will fall on the part with biggest area

\* Only use one at a time.

**Sub Tags:**

None

**Purpose :**

Used to symbolize point features using symbols in TrueType fonts.

**Restrictions:**

Outline and glowing should not be used together; use one or the other.

**Notes**

- The tag is not available from the Author interface.
- Overlap is available only for Image MapServices. It is ignored for Feature MapServices.

- The character must be a value between 32 and 255 in a font's character map; characters 0–31 are non-printable characters and cannot be used.

**Example:**

## 1) When in CONFIG or REQUEST:

```
<LAYER type="featureclass" name="CITIES" visible="true" id="2">
<DATASET name="CITIES" type="point" workspace="shp_ws-4" />
<SIMPLERENDERER>
  <TRUETYPEMARKERSYMBOL transparency="0.5" glowing="0,255,255" shadow="0,0,0"
font="ESRI Cartography" fontstyle="bolditalic" character="252" fontcolor="255,255,0"
fontsize="16" angle="90" antialiasing="false" overlap="true" />
</SIMPLERENDERER>
</LAYER>
```

## 2) Using usecentroid:

```
<LAYER type="featureclass" name="CNTRY94" visible="true" id="10">
<DATASET name="CNTRY94" type="polygon" workspace="shp_ws-4" />
<GROUPRENDERER>
  <SIMPLERENDERER>
    <SIMPLEPOLYGONSYMBOL filltransparency="1.0" filltype="solid"
fillcolor="0,227,0" />
  </SIMPLERENDERER>
  <SIMPLERENDERER >
    <TRUETYPEMARKERSYMBOL usecentroid="true" transparency="1.0"
font="ESRI Cartography" fontstyle="bold" character="252"
fontcolor="255,255,0" fontsize="24" />
  </SIMPLERENDERER>
</GROUPRENDERER>
</LAYER>
```

## 8 Workspace Tags

### AVIMSWORKSPACE

**Tag Name:** AVIMSWORKSPACE

**Used in:** CONFIG

**Parent Tags:** WORKSPACES

**Attributes:**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
map	Y	string	N/A	N/A	ArcView IMS MapName
name	Y	string	N/A	N/A	Workspace name; must be unique among all data sources
url	Y	string	N/A	N/A	Server url (points to middleware)
view	Y	string	N/A	N/A	ArcView IMS ViewName

**Sub Tags:**

None

**Purpose:**

Specifies a workspace for a map served in ArcView IMS.

**Restrictions:**

AVIMSWORKSPACE can only be used in Web site AXL configuration files (default.axl). It cannot be used in a MapService configuration file.

**Notes**

- The values for an ArcView IMS MapName and ViewName can be found in the applet HTML file of an ArcView IMS MapCafe Web site, for example, if you named your Web site "MyPage", open "MyPageapplet.html". Look for the values for the parameters MapName and ViewName.
- The attribute "url" should point to the location of the middleware you are using for ArcView IMS. This will be either the ArcIMS servlet (servlet/com.esri.esrimap.Esrimap), or the ArcView IMS esrimap.dll or esrimapn.dll (scripts/esrimap.dll, scripts/esrimapn.dll).

**Example:**

```
<?xml version="1.0" encoding="Cp1252"?>

<ARCXML version="1.0.1">
  <CONFIG>
    <MAP>
      <PROPERTIES>
        <ENVELOPE minx="-156.303875" miny="18.924782" maxx="-52.620281"
          maxy="83.108322" name="Initial_Extent" />
        <MAPUNITS units="DECIMAL_DEGREES" />
      </PROPERTIES>
      <WORKSPACES>
        <AVIMSWORKSPACE name="av_ws-0"
          url="http://zephyr/servlet/com.esri.esrimap.Esrimap" view="view1"
          map="washoe21204240" />
      </WORKSPACES>
      <LAYER type="image" name="zephyr:washoe21204240:view1" visible="true" id="0">
        <DATASET name="zephyr:washoe21204240:view1" type="image" workspace="av_ws-0" />
      </LAYER>
    </MAP>
  </CONFIG>
</ARCXML>
```

**FEATURESERVERWORKSPACE****Tag Name:** FEATURESERVERWORKSPACE**Used in:** CONFIG**Parent Tags:** WORKSPACES**Attributes:**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
name	Y	string	N/A	N/A	Workspace name; must be unique among all data sources
service	Y	string	N/A	N/A	Service name
url	Y	string	N/A	N/A	Feature Server url points to location of ArcIMS servlet (servlet/com.esri.esrimap.Esrimap)

**Sub Tags:**

None

**Purpose:**

Specifies a workspace for an ArcIMS Feature MapService.

**Restrictions:**

FEATURESERVERWORKSPACE can only be used in Web site AXL configuration files (default.axl). It cannot be used in a MapService configuration file.

**Notes**

None

**Example:**

```

<MAP>
  <PROPERTIES>
    <ENVELOPE minx="-178.215027" miny="18.924782" maxx="-66.969849" maxy="71.406647"
name="Initial_Extent" />
    <MAPUNITS units="DECIMAL_DEGREES" />
  </PROPERTIES>
  <WORKSPACES>
    <FEATURESERVERWORKSPACE name="ifs_ws-0"
url="http://gotti/servlet/com.esri.esrimap.Esrimap"
service="FeatureService1" />
  </WORKSPACES>
  <LAYER type="featureclass" name="STATES" visible="true" id="0">
    <DATASET name="0" type="polygon" workspace="ifs_ws-0" />
  </LAYER>
  <LAYER type="featureclass" name="ROADS" visible="true" id="1">
    <DATASET name="1" type="line" workspace="ifs_ws-0" />
  </LAYER>
</MAP>

```

**IMAGESERVERWORKSPACE****Tag Name:** IMAGESERVERWORKSPACE**Used in:** CONFIG**Parent Tags:** WORKSPACES**Attributes:**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
name	Y	string	N/A	N/A	Workspace name; must be unique among all data sources
service	Y	string	N/A	N/A	Service name
url	Y	string	N/A	N/A	Image Server url points to location of ArcIMS servlet (servlet/com.esri.esrimap.Esrimap)

**Sub Tags:**

None

**Purpose:**

Specifies a workspace for an ArcIMS Image MapService.

**Restrictions:**

IMAGESERVERWORKSPACE can only be used in Web site AXL configuration files (default.axl). It cannot be used in a MapService configuration file.

**Notes**

None

**Example:**

```
<MAP>
  <PROPERTIES>
    <ENVELOPE minx="-178.215027" miny="18.924782" maxx="-66.969849" maxy="71.406647"
name="Initial_Extent" />
    <MAPUNITS units="DECIMAL_DEGREES" />
  </PROPERTIES>
  <WORKSPACES>
    <IMAGESERVERWORKSPACE name="mapper_ws-6"
url="http://gotti/servlet/com.esri.esrimap.Esrimap" service="Image" />
  </WORKSPACES>
  <LAYER type="image" name="Image" visible="true" id="0">
    <DATASET name="Image" type="image" workspace="mapper_ws-6" />
  </LAYER>
</MAP>
```

**IMAGEWORKSPACE****Tag Name:** IMAGEWORKSPACE**Used in:** CONFIG**Parent Tags:** WORKSPACES**Attributes:**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
directory	Y	string	N/A	N/A	Directory containing images
name	Y	string	N/A	N/A	Workspace name; must be unique among all data sources

**Sub Tags:**

None

**Purpose:**

Specifies a workspace for image files.

**Restrictions:**

Must refer to an existing data source.

**Notes**

See DATASET.

**Example:**

1) Specifying an image by name:

```
<?xml version="1.0" encoding="Cp1252"?>
```

```
<ARCXML version="1.0.1">
  <CONFIG>
    <MAP>
      <PROPERTIES>
        <ENVELOPE minx="192837" miny="3769109" maxx="197809" maxy="3773771"
name="Initial_Extent" />
        <MAPUNITS units="DECIMAL_DEGREES" />
      </PROPERTIES>
      <WORKSPACES>
        <IMAGEWORKSPACE directory="<path to data>" name="jai_ws-0" />
      </WORKSPACES>
      <LAYER type="image" name="reno.sid" visible="true" id="0">
        <DATASET name="reno.sid" type="image" workspace="jai_ws-0" />
      </LAYER>
    </MAP>
  </CONFIG>
</ARCXML>
```

2) Specifying multiple images in a directory:

```
<?xml version="1.0" encoding="Cp1252"?>
```

```
<ARCXML version="1.0.1">
  <CONFIG>
    <MAP>
      <PROPERTIES>
        <ENVELOPE minx="0" miny="-1.0" maxx="891.0" maxy="1000.0" name="Initial_Extent" />
        <MAPUNITS units="DECIMAL_DEGREES" />
      </PROPERTIES>
      <WORKSPACES>
        <IMAGEWORKSPACE directory="<path to data>" name="jai_ws-0" />
      </WORKSPACES>
      <LAYER type="image" name="Sierra" visible="false" id="0">
        <DATASET name="*Image" type="image" workspace="jai_ws-0" />
      </LAYER>
    </MAP>
```

```
</CONFIG>
</ARCXML>
```

### 3) Using an image catalog:

```
<?xml version="1.0" encoding="Cp1252"?>
```

```
<ARCXML version="1.0.1">
  <CONFIG>
    <MAP>
      <PROPERTIES>
        <ENVELOPE minx="0" miny="0" maxx="2000000" maxy="2000000"
name="Initial_Extent"/>
        <MAPUNITS units="DECIMAL_DEGREES" />
      </PROPERTIES>
      <WORKSPACES>
        <IMAGEWORKSPACE name="jai_ws-15" directory="<path to image catalog dbf file>" />
      </WORKSPACES>
      <LAYER type="image" name="mammoth.dbf" visible="true" id="0">
        <DATASET name="mammoth.dbf" type="image" workspace="jai_ws-15" />
      </LAYER>
    </MAP>
  </CONFIG>
</ARCXML>
```

### 4) Specifying a GRID:

```
<?xml version="1.0" encoding="Cp1252"?>
```

```
<ARCXML version="1.0.1">
  <CONFIG>
    <MAP>
      <PROPERTIES>
        <ENVELOPE minx="-2006008" miny="-1240677" maxx="-1993628" maxy="-1256187"
name="Initial_Extent" />
        <MAPUNITS units="METERS" />
      </PROPERTIES>
      <WORKSPACES>
        <IMAGEWORKSPACE directory="<path to INFO directory>" name="jai_ws-15" />
      </WORKSPACES>
      <LAYER type="image" name="cornwall" visible="true" id="0">
        <DATASET name="helens" type="image" workspace="jai_ws-15" />
      </LAYER>
    </MAP>
  </CONFIG>
</ARCXML>
```

**MOIMSWORKSPACE****Tag Name:** MOIMSWORKSPACE**Used in:** CONFIG, REQUEST**Parent Tags:** WORKSPACES**Attributes:**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
name	Y	string	N/A	N/A	Workspace name; must be unique among all data sources
service	Y	string	N/A	N/A	Service name
url	Y	string	N/A	N/A	Server url (points to middleware)

**Sub Tags:**

None

**Purpose:**

Specifies a workspace for a map served in MapObjects IMS.

**Restrictions:**

MOIMSWORKSPACE can only be used in Web site AXL configuration files (default.axl). It cannot be used in a MapService configuration file.

**Notes**

The attribute "url" should point to the location of the middleware you are using for MapObjects IMS. This will be either esrimap.dll or esrimapn.dll (scripts/esrimap.dll, scripts/esrimapn.dll).

**Example:**

```
<?xml version="1.0" encoding="Cp1252"?>

<ARCXML version="1.0.1">
  <CONFIG>
    <MAP>
      <PROPERTIES>
        <ENVELOPE minx="-117.0" miny="12.2" maxx="-86.7" maxy="35.0"
name="Initial_Extent" />
        <MAPUNITS units="DECIMAL_DEGREES" />
      </PROPERTIES>
      <WORKSPACES>
        <MOIMSWORKSPACE name="mo_ws-4" url="http://arcims2/scripts/esrimap.dll"
service="Mexico" />
      </WORKSPACES>
      <LAYER type="image" name="arcims2:tahoe" visible="true" id="0">
        <DATASET name="arcims2:tahoe" type="image" workspace="mo_ws-4" />
      </LAYER>
    </MAP>
  </CONFIG>
</ARCXML>
```

**SDEWORKSPACE****Tag Name:** SDEWORKSPACE**Used in:** CONFIG, REQUEST**Parent Tags:** WORKSPACES**Attributes:**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
instance	Y	string	N/A	N/A	ArcSDE instance
name	Y	string	N/A	N/A	Workspace name; must be unique among all data sources
server	Y	string	N/A	N/A	ArcSDE server
user	Y	string	N/A	N/A	ArcSDE user
database	N	string	N/A	N/A	ArcSDE database
encrypted	N	boolean specified values		true, false	true if password encrypted
geoindexdir	N	string	NT: c:\temp UNIX: /tmp	N/A	Directory where geocoding index will be built
password	Y	string	N/A	N/A	ArcSDE password for user

**Sub Tags:**

None

**Purpose:**

Defines an ArcSDE data source.

**Restrictions:**

Must refer to an existing data source.

**Notes**

Passwords for ArcSDE datasets, by default, are not encrypted. In order to encrypt a password, you will need to connect to the ArcSDE instance while in Author.

**Example:**

1) When in CONFIG:

```
<ARCXML version="1.0.1">
  <CONFIG>
    <MAP>
      <PROPERTIES>
        <ENVELOPE minx="-178" miny="18" maxx="-66.9" maxy="71.4" name="Initial_Extent" />
        <MAPUNITS units="DECIMAL_DEGREES" />
      </PROPERTIES>
      <WORKSPACES>
        <SDEWORKSPACE name="sde_ws-2" server="zephyr" instance="5100" database=""
user="esri" encrypted="true" password="XLMRP" />
      </WORKSPACES>
      <LAYER type="featureclass" name="ZEPHYR.STREETS" visible="true" id="1">
        <DATASET name="ZEPHYR.STREETS" type="line" workspace="sde_ws-6" />
        <SIMPLERENDERER>
          <SIMPLELINESYMBOL type="solid" width="1" color="227,127,227" />
        </SIMPLERENDERER>
      </LAYER>
    </MAP>
  </CONFIG>
</ARCXML>
```

2) When in CONFIG for Raster ArcSDE data:

```
<?xml version="1.0" encoding="Cp1252"?>
```

```
<ARCXML version="1.0.1">
  <CONFIG>
    <MAP>
      <PROPERTIES>
        <ENVELOPE minx="200" miny="200" maxx="2000" maxy="2000" />
      </PROPERTIES>
      <WORKSPACES>
        <SDEWORKSPACE name="sde_ws-1" server="entropy" instance="5151" database=" "
user="raster" password="go" />
      </WORKSPACES>
      <LAYER type="image" name="SDERASTER" visible="true">
        <DATASET workspace="sde_ws-1" name="RASTER.TEST.IMAGE" />
      </LAYER>
    </MAP>
  </CONFIG>
</ARCXML>
```

**SHAPEWORKSPACE****Tag Name:** SHAPEWORKSPACE**Used in:** CONFIG, REQUEST**Parent Tags:** WORKSPACES**Attributes:**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
directory	Y	string	N/A	N/A	Directory containing images
name	Y	string	N/A	N/A	Workspace name; must be unique among all data sources
codepage	N	integer	codepage defined in DBF header or system active codepage	N/A	Sets id of codepage used for all DBF tables from this workspace; all available codepages are in ArcIMS3.0/Server/codepage directory
geoindexdir	N	string	same as directory with Shapefile	N/A	Directory where geocoding index will be built

**Sub Tags:**

None

**Purpose :**

Defines a shapefile data source.

**Restrictions:**

Must refer to an existing data source.

**Notes**

None

**Example:**

```

<?xml version="1.0" encoding="Cp1252"?>

<ARCXML version="1.0.1">
  <CONFIG>
    <PROPERTIES>
      <ENVELOPE minx="192837" miny="3769109" maxx="197809" maxy="3773771"
name="Initial_Extent" />
      <MAPUNITS units="DECIMAL_DEGREES" />
    </PROPERTIES>
    <WORKSPACES>
      <SHAPEWORKSPACE name="shp_ws-0" directory="<path to data>" />
    </WORKSPACES>
    <LAYER type="featureclass" name="marshall" visible="true" id="0">
      <DATASET name="marshall" type="polygon" workspace="shp_ws-0" />
      <SIMPLERENDERER>
        <SIMPLEPOLYGONSMBOL fillcolor="227,127,127" filltype="solid" />
      </SIMPLERENDERER>
    </LAYER>
  </CONFIG>
</ARCXML>

```

## WORKSPACES

**Tag Name:** WORKSPACES

**Used in:** CONFIG, REQUEST

**Parent Tags:** MAP, GET\_IMAGE, GET\_EXTRACT

**Attributes:** None

### Sub Tags:

*When in MAP, GET\_IMAGE, and GET\_EXTRACT:*

Name	Required*	Occurrences	Notes
SDEWORKSPACE	N	many	ArcSDE data source
SHAPEWORKSPACE	N	many	Shapefile data source
IMAGEWORKSPACE	N	many	Image data source

*Only when in MAP:*

Name	Required	Occurrences	Notes
AVIMSWORKSPACE	N	many	ArcView IMS data source
FEATURESERVERWORKSPACE	N	many	ArcIMS Feature MapService
IMAGESERVERWORKSPACE	N	many	ArcIMS Image MapService
MOIMSWORKSPACE	N	many	MapObjects IMS data source

\* At least one workspace must be defined in the WORKSPACES tag.

### Purpose:

Specifies a collection of workspaces or directories where the data is located. All workspaces referenced throughout the configuration file or request must be included.

### Restrictions:

None

### Notes

The sub tags FEATURESERVERWORKSPACE, IMAGESERVERWORKSPACE, MOIMSWORKSPACE, and AVIMSWORKSPACE can only be used in Web site AXL configuration files (default.axl). They cannot be used in a MapService configuration file.

### Example:

```
<?xml version="1.0" encoding="Cp1252"?>

<ARCXML version="1.0.1">
  <CONFIG>
    <MAP>
      <PROPERTIES>
        <ENVELOPE minx="-180" miny="-90" maxx="180" maxy="90" name="Initial_Extent" />
        <MAPUNITS units="DECIMAL_DEGREES" />
      </PROPERTIES>
      <WORKSPACES>
        <SHAPEWORKSPACE name="shp_ws-0" directory="<path to data>" />
      </WORKSPACES>
      <LAYER type="featureclass" name="forests" visible="true" id="0">
        <DATASET name="forests" type="polygon" workspace="shp_ws-0" />
        <SIMPLERENDERER>
          <SIMPLEPOLYGONSYMBOL filltype="solid" fillcolor="0,153,255" />
        </SIMPLERENDERER>
      </LAYER>
    </MAP>
  </CONFIG>
</ARCXML>
```

## 9 Projection Tags

The Spatial Server handles data projections in ArcIMS. The projection tags are used to inform the Spatial Server what coordinate system a layer is in and what coordinate system should be used for a MapService. When a request is made to a MapService with projection information, the layers are projected on the fly before a response is returned to the client.

To view data in its projected form, the data must be accessed through a MapService. If data layers in different projections are added locally, they will not overlay correctly because ArcIMS clients cannot project data. Figure 8.1 shows two world layers added locally to ArcExplorer 3. One layer is in the Mollweide projection and the second is in Robinson. Since ArcExplorer 3 cannot project layers, they do not overlay.

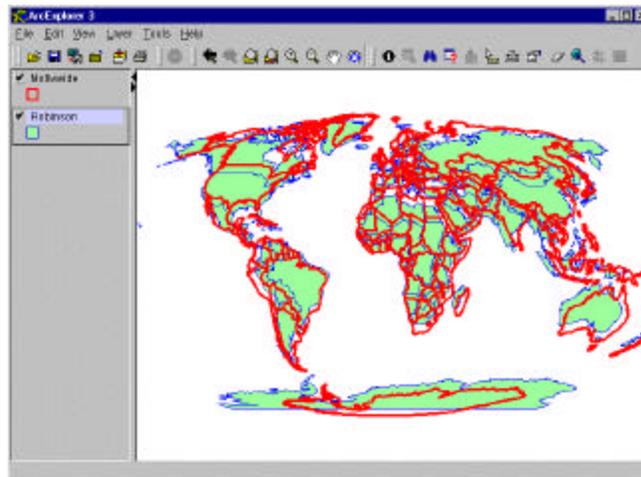


Figure 8.1. Projected world layers as local data in ArcExplorer 3

The same data accessed through a MapService will overlay correctly since projection information is applied with a MapService. The MapService is assigned an overall projection, and each layer will be projected to this common projection. Figure 8.2 shows two world layers in a MapService, originally in Mollweide and Robinson, projected in the Sinusoidal projection.

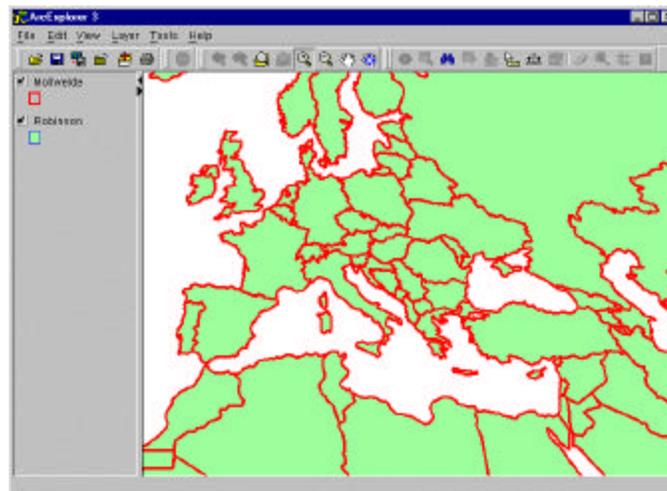


Figure 8.2. Two layers in a MapService, in Mollweide and Robinson projections, projected to Sinusoidal

## Using Projection Tags

Three projection tags are used to retrieve data in the correct Projected Coordinate System (PCS) from the Spatial Server. With ArcIMS, the term *Coordinate System*, which includes both geographic and projected coordinate systems, is used to describe the information about the projection, as well as other specifics such as datum, units, and meridians. The three tags that use a coordinate system are COORDSYS, FEATURECOORDSYS, and FILTERCOORDSYS.

- The projection metadata for a *data layer* is defined in the COORDSYS tag. Each data layer in a MapService can be in a different coordinate system. If the COORDSYS tag is not included, the Spatial Server reads the \*.prj file associated with a shapefile or the layer metadata in ArcSDE.
- A *MapService* can have a coordinate system that is defined in the FEATURECOORDSYS tag. The projection can be different from any of the layers.
- A *spatial filter* in a request can have a designated coordinate system that is defined in the FILTERCOORDSYS tag. This projection can be different from the layers and the MapService.

FEATURECOORDSYS and FILTERCOORDSYS work in tandem with one another. They must both be present in a MapService configuration file for a MapService to draw the map properly. Incoming requests containing these two tags can override FEATURECOORDSYS and FILTERCOORDSYS tags in the MapService. For example, the MapService is in geographic coordinates, but a client requests the data to be returned in a Robinson projection. The FILTERCOORDSYS tag defines the PCS of the requesting client. The FEATURECOORDSYS tag defines the coordinate system returned to the client. The two coordinate systems can be different.

Figure 8.3 illustrates what happens when an incoming request has no projection requirements. The MapService has FEATURECOORDSYS and FILTERCOORDSYS tags defined as geographic coordinates. Because the incoming request has no projection, the MapService uses geographic coordinates to project data. The layers are projected to geographic coordinates as instructed by the FEATURECOORDSYS tag. Since no FILTERCOORDSYS tag is in the request, the default of geographic units in the MapService is used.

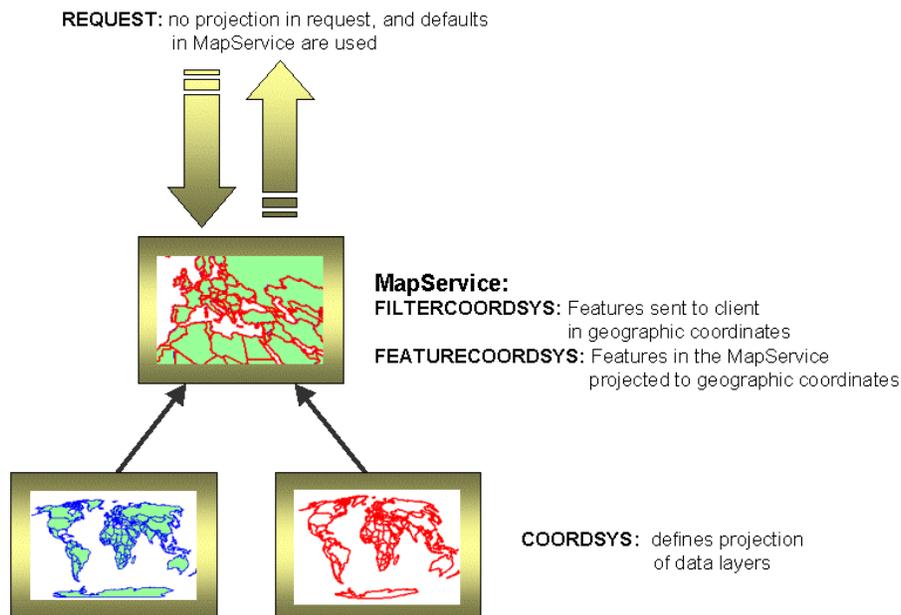


Figure 8.3. MapService defaults for FEATURECOORDSYS and FILTERCOORDSYS tags are used when request has no projection information

Figure 8.4 illustrates what happens when the FEATURECOORDSYS and FILTERCOORDSYS tags of an incoming request are set to the Robinson projection. The FILTERCOORDSYS tag in the request represents

the current projection of the client. The FEATURECOORDSYS tag in the request represents the projection to which the layers in the MapService should be projected. The requested projections override the default FEATURECOORDSYS and FILTERCOORDSYS tags in the MapService. In this example, although the MapService has FEATURECOORDSYS and FILTERCOORDSYS tags set to geographic coordinates, the incoming request of Robinson takes precedence.

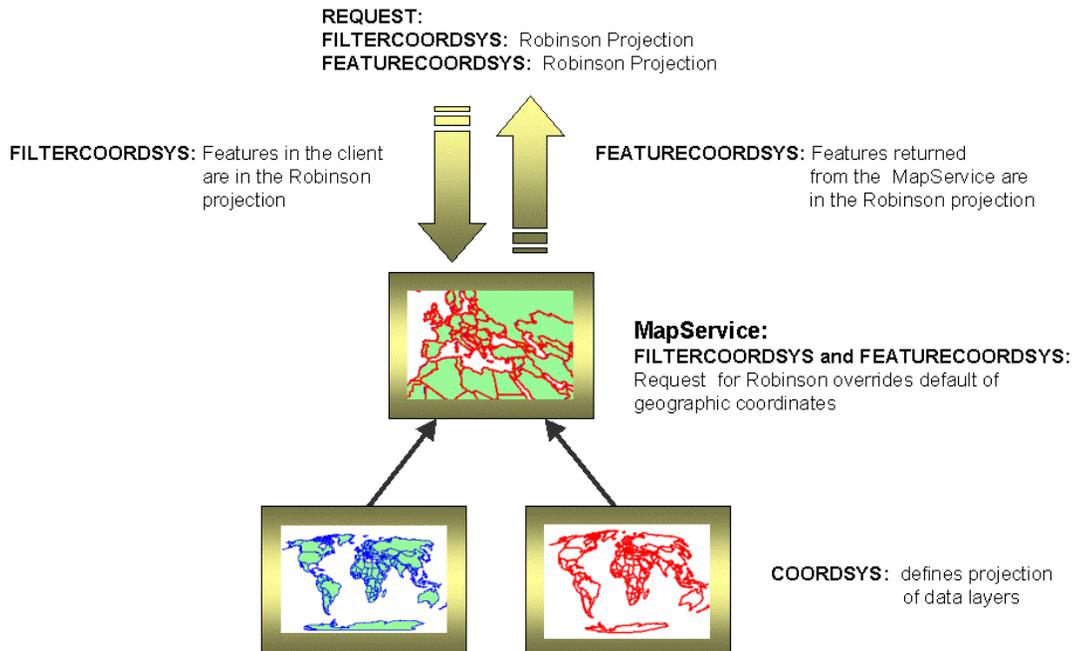


Figure 8.3. Request with FEATURECOORDSYS and FILTERCOORDSYS set to Robinson override default of geographic coordinates set by the MapService

## Defining a Coordinate System

A coordinate system can be defined in two ways: using a predefined coordinate system ID or a coordinate system definition string. The predefined IDs are a quick way to reference a coordinate system by using a single reference number. The coordinate system definition string uses a string to describe all parameters for a projection. The advantage of using the definition string is that parameters in the string can be modified.

A complete list of coordinate system IDs and definition strings can be found in Appendix A. As an example, the coordinate system ID for World Mollweide is 53009 and the ID for World Robinson is 53030.

The coordinate system definition strings for World Mollweide and World Robinson are:

### World Mollweide,54009

```
PROJCS["World_Mollweide",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Mollweide"],PARAMETER["False_Easting",0],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",0],UNIT["Meter",1]]
```

### World Robinson,54030

```
PROJCS["World_Robinson",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Robinson"],PARAMETER["False_Easting",0],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",0],UNIT["Meter",1]]
```

## Data Densification

The process of data densification adds points to a layer before the layer is projected. When data is projected, the line geometry changes, for example, a square in one projection may be trapezoidal in another projection. In many cases, the number of points defining the geometry in the original layer is not enough to describe the geometry correctly in the projected layer. In Figure 8.5, without densification, the square in Projection 1 will be projected to the trapezoid as seen with Projection 2. When the data for Projection 1 is densified, the geometry for Projection 2 shows more detail.

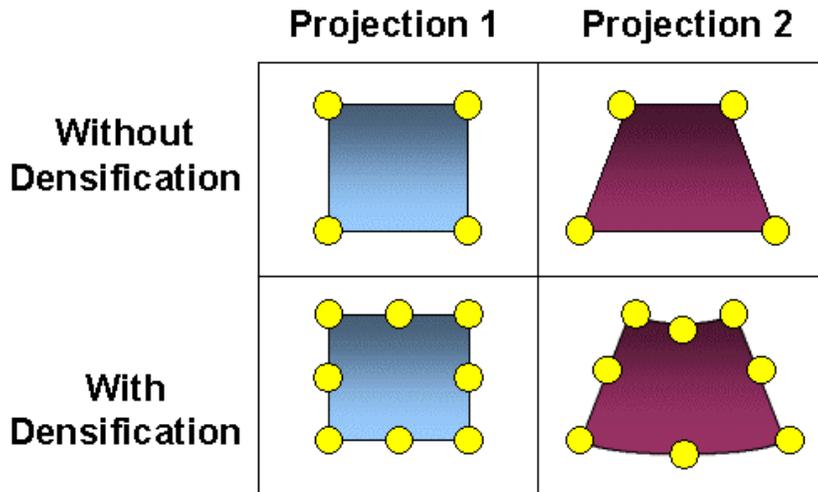


Figure 8.5. Comparing two projections with and without densification

Information about densification can be added in two places:

- For a layer in association with COORDSYS, the DENSIFY tag can be used to define how much data should be densified before a layer is projected.
- For a request in association with FILTERCOORDSYS, the FILTERDENSIFY tag can be used to define how all requested data should be densified.

When using densification in a MapService or request, the denser the layer, the longer it takes to process on the Spatial Server. This is important when considering performance issues. Similarly, projecting data on the fly will also require additional processing time on the Spatial Server.

## COORDSYS

**Tag Name:** COORDSYS

**Used in:** CONFIG, REQUEST

**Parent Tags:** LAYER

**Attributes:**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
id	Y/N*	integer	N/A	N/A	Projection id
string	Y/N*	string	N/A	N/A	Projection definition string

\* Either id or string is required, not both.

**Sub Tags:**

None

**Purpose:**

Defines the projection coordinate system of a layer. COORDSYS cannot be used to project a layer; its purpose is to provide the metadata for the layer. FEATURECOORDSYS and FILTERCOORDSYS are used to project the layers to a specified projection.

**Restrictions:**

None

**Notes**

- IDs and definition strings for projection coordinate systems can be found in Appendix A.
- If a \*.prj file is available for a shapefile or the ArcSDE layer metadata, the COORDSYS tag is not needed. If used, the COORDSYS tag overrides the \*.prj and ArcSDE layer metadata.
- When using definition strings, the quotes in the string must be changed to '&quot;,' so that the Spatial Server can interpret the string correctly, for example, the definition string for World Mollweide is:

```
PROJCS["World_Mollweide",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137.298,257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Mollweide"],PARAMETER["False_Easting",0],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",0],UNIT["Meter",1]]
```

The string must be changed to work correctly with the Spatial Server:

```
PROJCS[&quot;World_Mollweide&quot;,GEOGCS[&quot;GCS_WGS_1984&quot;,DATUM[&quot;D_WGS_1984&quot;,SPHEROID[&quot;WGS_1984&quot;,6378137.298,257223563]],PRIMEM[&quot;Greenwich&quot;,0],UNIT[&quot;Degree&quot;,0.017453292519943295]],PROJECTION[&quot;Mollweide&quot;,PARAMETER[&quot;False_Easting&quot;,0],PARAMETER[&quot;False_Northing&quot;,0],PARAMETER[&quot;Central_Meridian&quot;,0],UNIT[&quot;Meter&quot;,1]]
```

**Example:**

1) Using a coordinate system ID:

```
<?xml version="1.0" encoding="Cp1252"?>
```

```
<ARXML version="1.0.1">
```

```
<CONFIG>
```

```
<MAP>
```

```
<PROPERTIES>
```

```
<ENVELOPE minx="-180.0" miny="-152.0" maxx="180.0" maxy="153.0" />
```

```
<MAPUNITS units="DECIMAL_DEGREES" />
```

```
<FEATURECOORDSYS id="54008" />
```

```
<FILTERCOORDSYS id="54008" />
```

```
</PROPERTIES>
```

```
<WORKSPACES>
  <SHAPEWORKSPACE name="shp_ws-0" directory="<path to data>" />
</WORKSPACES>
<LAYER type="featureclass" name="Cntry94_Robinson" visible="true" id="0">
  <DATASET name="Cntry94_Robinson" type="polygon" workspace="shp_ws-0" />
  <COORDSYS id="54030" />
  <SIMPLERENDERER>
    <SIMPLEPOLYGONSYMBOL filltransparency="1.0" fillcolor="27,127,127" />
  </SIMPLERENDERER>
</LAYER>
</MAP>
</CONFIG>
</ARCXML>
```

## 2) Using a coordinate system definition string:

```
<?xml version="1.0" encoding="Cp1252"?>
```

```
<ARCXML version="1.0.1">
  <CONFIG>
    <MAP>
      <PROPERTIES>
        <ENVELOPE minx="-180.0" miny="-152.0" maxx="180.0" maxy="153.0" />
        <MAPUNITS units="DECIMAL_DEGREES" />
        <FEATURECOORDSYS id="54008" />
        <FILTERCOORDSYS id="54008" />
      </PROPERTIES>
      <WORKSPACES>
        <SHAPEWORKSPACE name="shp_ws-0" directory="<path to data>" />
      </WORKSPACES>
      <LAYER type="featureclass" name="Cntry94_Mollweide" visible="true" id="0">
        <DATASET name="Cntry94_Mollweide" type="polygon" workspace="shp_ws-0" />
        <COORDSYS
          string="PROJCS[&quot;World_Mollweide&quot;;GEOGCS[&quot;GCS_WGS_1984&quot;;DATUM[&quot;D_WGS_1984&quot;;SPHEROID[&quot;WGS_1984&quot;;6378137,298.257223563]],PRIMEM[&quot;Greenwich&quot;;0],UNIT[&quot;Degree&quot;;0.017453292519943295]],PROJECTIO
          N[&quot;Mollweide&quot;],PARAMETER[&quot;False_Easting&quot;;0],PARAMETER[&quot;False_Northing&quot;;0],PARAMETER[&quot;Central_Meridian&quot;;0],UNIT[&quot;Meter&quot;;1]]" />
        <SIMPLERENDERER>
          <SIMPLEPOLYGONSYMBOL filltransparency="1.0" fillcolor="27,127,127" />
        </SIMPLERENDERER>
      </LAYER>
    </MAP>
  </CONFIG>
</ARCXML>
```

**DENSIFY****Tag Name:** DENSIFY**Used in:** CONFIG, REQUEST**Parent Tags:** LAYER, QUERY, SPATIALQUERY**Attributes**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
tolerance	Y	double	N/A	N/A	Defines distance (tolerance) between points; used on geometry before layer is projected

**Sub Tags:**

None

**Purpose:**

The process of data densification adds points to a layer before the layer is projected. DENSIFY sets the interval used for adding points.

**Restrictions:**

None

**Notes**

- DENSIFY is only needed if a layer is going to be projected. If the layer is in the same projection as the MapService, DENSIFY does not need to be used.
- The units for the tolerance attribute are the same as the units for the layer, for example, if the layer is in feet, the tolerance distance is in feet.

**Example:**

```
<?xml version="1.0" encoding="Cp1252"?>

<ARCXML version="1.0.1">
  <CONFIG>
    <MAP>
      <PROPERTIES>
        <ENVELOPE minx="-180.0" miny="-152.0" maxx="180.0" maxy="153.0" />
        <MAPUNITS units="DECIMAL_DEGREES" />
        <FEATURECOORDSYS id="54008" />
        <FILTERCOORDSYS id="54008" />
      </PROPERTIES>
      <WORKSPACES>
        <SHAPEWORKSPACE name="shp_ws-0" directory="<path to data>" />
      </WORKSPACES>
      <LAYER type="featureclass" name="Cntry94_Robinson" visible="true" id="0">
        <DATASET name="Cntry94_Robinson" type="polygon" workspace="shp_ws-0" />
        <DENSIFY tolerance="10000" />
        <COORDSYS id="54030" />
        <SIMPLERENDERER>
          <SIMPLEPOLYGONSYMBOL filltransparency="1.0" fillcolor="27,127,127" />
        </SIMPLERENDERER>
      </LAYER>
    </MAP>
  </CONFIG>
</ARCXML>
```

**FEATURECOORDSYS****Tag Name:** FEATURECOORDSYS**Used in:** CONFIG, REQUEST**Parent Tags:** PROPERTIES, QUERY, SPATIALQUERY**Attributes:**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
id	Y/N*	integer	N/A	N/A	Projection id
string	Y/N*	string	N/A	N/A	Projection definition string

\* Either id or string is required, not both.

**Sub Tags:**

None

**Purpose:**

- FEATURECOORDSYS is the projection coordinate system that layers are projected to.
- When used as a sub tag of PROPERTIES, it applies to all the layers in the map.
- When used as a sub tag of QUERY and SPATIALQUERY in a GET\_FEATURE request, it applies only to the layer in that request.

**Restrictions:**

None

**Notes**

- FEATURECOORDSYS and FILTERCOORDSYS both need to be present in CONFIG and in REQUEST.
- When in PROPERTIES, FEATURECOORDSYS defines the default coordinate system for all layers. Using FEATURECOORDSYS in a QUERY or SPATIALQUERY overrides the information in PROPERTIES.
- IDs and definition strings for projection coordinate systems can be found in Appendix A.
- When using definition strings, the quotes in the string must be changed to '&quot;,' so that the Spatial Server can interpret the string correctly. For example, the definition string for World Mollweide is:

```
PROJCS["World_Mollweide",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Mollweide"],PARAMETER["False_Easting",0],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",0],UNIT["Meter",1]]
```

The string must be changed to work correctly with the Spatial Server:

```
PROJCS[&quot;World_Mollweide&quot;,GEOGCS[&quot;GCS_WGS_1984&quot;,DATUM[&quot;D_WGS_1984&quot;,SPHEROID[&quot;WGS_1984&quot;,6378137,298.257223563]],PRIMEM[&quot;Greenwich&quot;,0],UNIT[&quot;Degree&quot;,0.017453292519943295]],PROJECTION[&quot;Mollweide&quot;],PARAMETER[&quot;False_Easting&quot;,0],PARAMETER[&quot;False_Northing&quot;,0],PARAMETER[&quot;Central_Meridian&quot;,0],UNIT[&quot;Meter&quot;,1]]
```

**Example:**

1) Using a coordinate system ID:

```
<?xml version="1.0" encoding="Cp1252"?>
```

```
<ARCXML version="1.0.1">
  <CONFIG>
    <MAP>
      <PROPERTIES>
```

```
<ENVELOPE minx="-180.0" miny="-152.0" maxx="180.0" maxy="153.0" />
<MAPUNITS units="DECIMAL_DEGREES" />
<FEATURECOORDSYS id="54008" />
<FILTERCOORDSYS id="54008" />
</PROPERTIES>
<WORKSPACES>
  <SHAPEWORKSPACE name="shp_ws-0" directory="<path to data>" />
</WORKSPACES>
<LAYER type="featureclass" name="Cntry94_Robinson" visible="true" id="0">
  <DATASET name="Cntry94_Robinson" type="polygon" workspace="shp_ws-0" />
  <COORDSYS id="54030" />
  <SIMPLERENDERER>
    <SIMPLEPOLYGONSMBOL filltransparency="1.0" fillcolor="27,127,127" />
  </SIMPLERENDERER>
</LAYER>
</MAP>
</CONFIG>
</ARCXML>
```

## 2) Using a coordinate system definition string:

```
<?xml version="1.0" encoding="Cp1252"?>
```

```
<ARCXML version="1.0.1">
  <CONFIG>
    <MAP>
      <PROPERTIES>
        <ENVELOPE minx="-180.0" miny="-152.0" maxx="180.0" maxy="153.0" />
        <MAPUNITS units="DECIMAL_DEGREES" />
        <FEATURECOORDSYS id="54008" />
        <FILTERCOORDSYS id="54008" />
      </PROPERTIES>
      <WORKSPACES>
        <SHAPEWORKSPACE name="shp_ws-0" directory="<path to data>" />
      </WORKSPACES>
      <LAYER type="featureclass" name="Cntry94_Mollweide" visible="true" id="0">
        <DATASET name="Cntry94_Mollweide" type="polygon" workspace="shp_ws-0" />
        <COORDSYS
          string="PROJCS[&quot;World_Mollweide&quot;;GEOGCS[&quot;GCS_WGS_1984&quot;;DATUM[&quot;D_WGS_1984&quot;;SPHEROID[&quot;WGS_1984&quot;;6378137,298.257223563]],PRIMEM[&quot;Greenwich&quot;;0],UNIT[&quot;Degree&quot;;0.017453292519943295]],PROJECTIO
          N[&quot;Mollweide&quot;],PARAMETER[&quot;False_Easting&quot;;0],PARAMETER[&quot;False_Northing&quot;;0],PARAMETER[&quot;Central_Meridian&quot;;0],UNIT[&quot;Meter&quot;;1]]" />
        <SIMPLERENDERER>
          <SIMPLEPOLYGONSMBOL filltransparency="1.0" fillcolor="27,127,127" />
        </SIMPLERENDERER>
      </LAYER>
    </MAP>
  </CONFIG>
</ARCXML>
```

## FILTERCOORDSYS

**Tag Name:** FILTERCOORDSYS

**Used in:** CONFIG, REQUEST

**Parent Tags:** PROPERTIES, SPATIALQUERY

**Attributes:**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
id	Y/N*	integer	N/A	N/A	Projection id
string	Y/N*	string	N/A	N/A	Projection definition string

\* Either id or string is needed, not both.

**Sub Tags:**

None

**Purpose:**

Default system of coordinates when using a spatial filter.

**Restrictions:**

None

**Notes**

- FEATURECOORDSYS and FILTERCOORDSYS both need to be present in CONFIG and in REQUEST.
- When in PROPERTIES, FILTERCOORDSYS defines the default coordinate system for all layers. Using FILTERCOORDSYS in a QUERY or SPATIALQUERY overrides the information in PROPERTIES.
- IDs and definition strings for projection coordinate systems can be found in Appendix A.
- When using definition strings, the quotes in the string must be changed to '&quot;,' so that the Spatial Server can interpret the string correctly, for example, the definition string for World Mollweide is:

```
PROJCS["World_Mollweide",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Mollweide"],PARAMETER["False_Easting",0],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",0],UNIT["Meter",1]]
```

The string must be changed to work correctly with the Spatial Server:

```
PROJCS[&quot;World_Mollweide&quot;,GEOGCS[&quot;GCS_WGS_1984&quot;,DATUM[&quot;D_WGS_1984&quot;,SPHEROID[&quot;WGS_1984&quot;,6378137,298.257223563]],PRIMEM[&quot;Greenwich&quot;,0],UNIT[&quot;Degree&quot;,0.017453292519943295]],PROJECTION[&quot;Mollweide&quot;],PARAMETER[&quot;False_Easting&quot;,0],PARAMETER[&quot;False_Northing&quot;,0],PARAMETER[&quot;Central_Meridian&quot;,0],UNIT[&quot;Meter&quot;,1]]
```

**Example:**

1) Using a coordinate system ID:

```
<?xml version="1.0" encoding="Cp1252"?>
```

```
<ARCXML version="1.0.1">
```

```
<CONFIG>
```

```
<MAP>
```

```
<PROPERTIES>
```

```
<ENVELOPE minx="-180.0" miny="-152.0" maxx="180.0" maxy="153.0" />
```

```
<MAPUNITS units="DECIMAL_DEGREES" />
```

```
<FEATURECOORDSYS id="54008" />
```

```
<FILTERCOORDSYS id="54008" />
```

```
</PROPERTIES>
<WORKSPACES>
  <SHAPEWORKSPACE name="shp_ws-0" directory="<path to data>" />
</WORKSPACES>
<LAYER type="featureclass" name="Cntry94_Robinson" visible="true" id="0">
  <DATASET name="Cntry94_Robinson" type="polygon" workspace="shp_ws-0" />
  <COORDSYS id="54030" />
  <SIMPLERENDERER>
    <SIMPLEPOLYGONSYPMBOL filltransparency="1.0" fillcolor="27,127,127" />
  </SIMPLERENDERER>
</LAYER>
</MAP>
</CONFIG>
</ARCXML>
```

## 2) Using a coordinate system definition string:

```
<?xml version="1.0" encoding="Cp1252"?>
```

```
<ARCXML version="1.0.1">
  <CONFIG>
    <MAP>
      <PROPERTIES>
        <ENVELOPE minx="-180.0" miny="-152.0" maxx="180.0" maxy="153.0" />
        <MAPUNITS units="DECIMAL_DEGREES" />
        <FEATURECOORDSYS id="54008" />
        <FILTERCOORDSYS id="54008" />
      </PROPERTIES>
      <WORKSPACES>
        <SHAPEWORKSPACE name="shp_ws-0" directory="<path to data>" />
      </WORKSPACES>
      <LAYER type="featureclass" name="Cntry94_Mollweide" visible="true" id="0">
        <DATASET name="Cntry94_Mollweide" type="polygon" workspace="shp_ws-0" />
        <COORDSYS
          string="PROJCS[&quot;World_Mollweide&quot;;GEOGCS[&quot;GCS_WGS_1984&quot;;DATUM[&quot;D_WGS_1984&quot;;SPHEROID[&quot;WGS_1984&quot;;6378137,298.257223563]],PRIMEM[&quot;Greenwich&quot;;0],UNIT[&quot;Degree&quot;;0.017453292519943295]],PROJECTIO
          N[&quot;Mollweide&quot;],PARAMETER[&quot;False_Easting&quot;;0],PARAMETER[&quot;False_Northing&quot;;0],PARAMETER[&quot;Central_Meridian&quot;;0],UNIT[&quot;Meter&quot;;1]]" />
        <SIMPLERENDERER>
          <SIMPLEPOLYGONSYPMBOL filltransparency="1.0" fillcolor="27,127,127" />
        </SIMPLERENDERER>
      </LAYER>
    </MAP>
  </CONFIG>
</ARCXML>
```

**FILTERDENSIFY****Tag Name:** FILTERDENSIFY**Used in:** CONFIG, REQUEST**Parent Tags:** PROPERTIES, SPATIALQUERY**Attributes**

Attribute Name	Required	Value Type	Default Value	Known Values	Usage
tolerance	Y	double	N/A	N/A	Defines distance (tolerance) between points for all spatial filters; used on spatial filter geometry before it is projected to data's coordinates

**Sub Tags:**

None

**Purpose:**

Defines default densify tolerance for all spatial filters.

**Restrictions:**

None

**Notes**

- Densify tolerance defined in PROPERTIES may be overwritten by the tolerance defined in SPATIALQUERY. If the FILTERDENSIFY tag is defined, then all filters will be densified before they are reprojected to the coordinate data system.
- The units for the tolerance attribute are the same as the units for the layer, for example, if the layer is in feet, the tolerance distance is in feet.

**Example:**

```
<?xml version="1.0" encoding="Cp1252"?>

<ARCXML version="1.0.1">
  <CONFIG>
    <MAP>
      <PROPERTIES>
        <ENVELOPE minx="-180.0" miny="-152.0" maxx="180.0" maxy="153.0" />
        <MAPUNITS units="DECIMAL_DEGREES" />
        <FEATURECOORDSYS id="54008" />
        <FILTERCOORDSYS id="54008" />
        <FILTERDENSIFY tolerance="1000" />
      </PROPERTIES>
      <WORKSPACES>
        <SHAPEWORKSPACE name="shp_ws-0" directory="<path to data>" />
      </WORKSPACES>
      <LAYER type="featureclass" name="Cntry94_Robinson" visible="true" id="0">
        <DATASET name="Cntry94_Robinson" type="polygon" workspace="shp_ws-0" />
        <DENSIFY tolerance="10000" />
        <COORDSYS id="54030" />
        <SIMPLERENDERER>
          <SIMPLEPOLYGONSMBOL filltransparency="1.0" fillcolor="27,127,127" />
        </SIMPLERENDERER>
      </LAYER>
    </MAP>
  </CONFIG>
</ARCXML>
```

## Appendix A: Coordinate System Names and IDs

### I. Geographic Coordinate Systems and associated ID listed alphabetically

Geographic Coordinate Systems	ID
GCS ATF Paris	4901
GCS ATS 1977	4122
GCS Adindan	4201
GCS Afgooye	4205
GCS Agadez	4206
GCS Ain el Abd 1970	4204
GCS Airy 1830	4001
GCS Airy Modified	4002
GCS Alaskan Islands	37260
GCS Amersfoort	4289
GCS Anguilla 1957	4600
GCS Anna 1 1965	37231
GCS Antigua 1943	4601
GCS Aratu	4208
GCS Arc 1950	4209
GCS Arc 1960	4210
GCS Ascension Island 1958	37237
GCS Astro 1952	37214
GCS Australian	4003
GCS Australian 1966	4202
GCS Australian 1984	4203
GCS Ayabelle	37208
GCS Barbados 1938	4212
GCS Batavia	4211
GCS Batavia Jakarta	4813
GCS Beacon E 1945	37212
GCS Beduaram	4213
GCS Beijing 1954	4214
GCS Belge 1950	4215
GCS Belge 1950 Brussels	4809
GCS Belge 1972	4313
GCS Bellevue IGN	37215
GCS Bermuda 1957	4216
GCS Bern 1898	4217
GCS Bern 1898 Bern	4801
GCS Bern 1938	4306
GCS Bessel 1841	4004
GCS Bessel Modified	4005
GCS Bessel Namibia	4006
GCS Bissau	37209
GCS Bogota	4218
GCS Bogota Bogota	4802
GCS Bukit Rimpah	4219
GCS Camacupa	4220
GCS Camp Area	37253

GCS Campo Inchauspe	4221
GCS Canton 1966	37216
GCS Cape	4222
GCS Cape Canaveral	37239
GCS Carthage	4223
GCS Carthage Degree	37223
GCS Carthage Paris	4816
GCS Chatham Island 1971	37217
GCS Chua	4224
GCS Clarke 1858	4007
GCS Clarke 1866	4008
GCS Clarke 1866 Michigan	4009
GCS Clarke 1880	4034
GCS Clarke 1880 Arc	4013
GCS Clarke 1880 Benoit	4010
GCS Clarke 1880 IGN	4011
GCS Clarke 1880 RGS	4012
GCS Clarke 1880 SGA	4014
GCS Conakry 1905	4315
GCS Corrego Alegre	4225
GCS Cote d Ivoire	4226
GCS DOS 1968	37218
GCS DOS 71 4	37238
GCS Dabola	37210
GCS Datum 73	4274
GCS Dealul Piscului 1933	4316
GCS Dealul Piscului 1970	4317
GCS Deception Island	37254
GCS Deir ez Zor	4227
GCS Deutsche Hauptdreiecksnetz	4314
GCS Dominica 1945	4602
GCS Douala	4228
GCS ETRF 1989	4258
GCS Easter Island 1967	37219
GCS Egypt 1907	4229
GCS Estonia 1992	4133
GCS European 1950	4230
GCS European 1979	37201
GCS European 1987	4231
GCS Everest 1830	4015
GCS Everest Bangladesh	37202
GCS Everest India Nepal	37203
GCS Everest Modified	4018
GCS Everest Modified 1969	37006
GCS Everest def 1967	4016

GCS Everest def 1975	4017
GCS FD 1958	4132
GCS Fahud	4232
GCS Fischer 1960	37002
GCS Fischer 1968	37003
GCS Fischer Modified	37004
GCS Fort Thomas 1955	37240
GCS GDA 1994	4283
GCS GEM 10C	4031
GCS GGRS 1987	4121
GCS GRS 1967	4036
GCS GRS 1980	4019
GCS GUX 1	37221
GCS Gan 1970	37232
GCS Gandajika 1970	4233
GCS Garoua	4234
GCS Graciosa Base SW 1948	37241
GCS Greek	4120
GCS Greek Athens	4815
GCS Grenada 1953	4603
GCS Guam 1963	37220
GCS Gunung Segara	37255
GCS Guyane Francaise	4235
GCS Helmert 1906	4020
GCS Herat North	4255
GCS Hito XVIII 1963	4254
GCS Hjorsey 1955	37204
GCS Hong Kong 1963	37205
GCS Hough 1960	37005
GCS Hu Tzu Shan	4236
GCS Hungarian 1972	4237
GCS ISTS 061 1968	37242
GCS ISTS 073 1969	37233
GCS Indian 1954	4239
GCS Indian 1960	4131
GCS Indian 1975	4240
GCS Indonesian	4021
GCS Indonesian 1974	4238
GCS International 1924	4022
GCS International 1967	4023
GCS Jamaica 1875	4241
GCS Jamaica 1969	4242
GCS Johnston Island 1961	37222
GCS KKJ	4123
GCS KUDAMS	4319
GCS Kalianpur	4243
GCS Kandawala	4244
GCS Kerguelen Island 1949	37234
GCS Kertau	4245
GCS Krasovsky 1940	4024
GCS Kusaie 1951	37259
GCS Kuwait Oil Company	4246

GCS LC5 1961	37243
GCS LKS 1994	4126
GCS La Canoa	4247
GCS Lake	4249
GCS Leigon	4250
GCS Liberia 1964	4251
GCS Lisbon	4207
GCS Lisbon Lisbon	4803
GCS Loma Quintana	4288
GCS Lome	4252
GCS Luzon 1911	4253
GCS MGI	4312
GCS MGI Ferro	4805
GCS Madrid 1870 Madrid	4903
GCS Madzansua	4128
GCS Mahe 1971	4256
GCS Makassar	4257
GCS Makassar Jakarta	4804
GCS Malongo 1987	4259
GCS Manoca	4260
GCS Massawa	4262
GCS Merchich	4261
GCS Mhast	4264
GCS Midway 1961	37224
GCS Minna	4263
GCS Monte Mario	4265
GCS Monte Mario Rome	4806
GCS Montserrat 1958	4404
GCS Moznet	4130
GCS Mporaloko	4266
GCS NAD 1927 CGQ77	4609
GCS NAD 1927 Definition 1976	4608
GCS NGN	4318
GCS NGO 1948	4273
GCS NSWC 9Z 2	4276
GCS NTF	4275
GCS NTF Paris	4807
GCS NWL 9D	4025
GCS Nahrwan 1967	4270
GCS Naparima 1972	4271
GCS New Zealand 1949	4272
GCS Nord Sahara 1959	4307
GCS Nord de Guerre Paris	4902
GCS North American 1927	4267
GCS North American 1983	4269
GCS North American Michigan	4268
GCS OS SN 1980	4279
GCS OSGB 1936	4277
GCS OSGB 1970 SN	4278
GCS OSU 86F	4032
GCS OSU 91A	4033
GCS Observ Meteorologico 1939	37245

GCS Observatorio	4129
GCS Old Hawaiian	4135
GCS Oman	37206
GCS PDO 1993	4134
GCS Padang 1884	4280
GCS Padang 1884 Jakarta	4808
GCS Palestine 1923	4281
GCS Pico de Las Nieves	37246
GCS Pitcairn 1967	37226
GCS Plessis 1817	4027
GCS Point 58	37211
GCS Pointe Noire	4282
GCS Porto Santo 1936	37247
GCS Provisional S American 1956	4248
GCS Puerto Rico	4139
GCS Pulkovo 1942	4284
GCS Pulkovo 1995	4200
GCS Qatar	4285
GCS Qatar 1948	4286
GCS Qornoq	4287
GCS RT 1990	4124
GCS RT38	4308
GCS RT38 Stockholm	4814
GCS Reunion	37235
GCS S JTSK	37258
GCS S42 Hungary	37257
GCS Samboja	4125
GCS Samoa 1962	37252
GCS Santo DOS 1965	37227
GCS Sao Braz	37249
GCS Sapper Hill 1943	4292
GCS Schwarzeck	4293
GCS Segora	4294
GCS Selvagem Grande 1938	37250
GCS Serindung	4295
GCS South American 1969	4291
GCS South Asia Singapore	37207
GCS Sphere	4035

GCS Sphere ARC INFO	37008
GCS St George Island	4138
GCS St Kitts 1955	4605
GCS St Lawrence Island	4136
GCS St Lucia 1955	4606
GCS St Paul Island	4137
GCS St Vincent 1945	4607
GCS Struve 1860	4028
GCS Sudan	4296
GCS TM65	4299
GCS TM75	4300
GCS Tananarive 1925	4297
GCS Tananarive 1925 Paris	4810
GCS Tern Island 1961	37213
GCS Tete	4127
GCS Timbalai 1948	4298
GCS Tokyo	4301
GCS Trinidad 1903	4302
GCS Tristan 1968	37251
GCS Trucial Coast 1948	4303
GCS Viti Levu 1916	37228
GCS Voirol 1875	4304
GCS Voirol 1875 Paris	4811
GCS Voirol Unifie 1960	4305
GCS Voirol Unifie 1960 Paris	4812
GCS WGS 1966	37001
GCS WGS 1972	4322
GCS WGS 1972 BE	4324
GCS WGS 1984	4326
GCS Wake Eniwetok 1960	37229
GCS Wake Island 1952	37230
GCS Walbeck	37007
GCS War Office	4029
GCS Yacare	4309
GCS Yoff	4310
GCS Zanderij	4311

## II. Projected Coordinate Systems and associated ID listed alphabetically

Projected Coordinate Systems	ID
AGD 1966 AMG Zone 48	20248
AGD 1966 AMG Zone 49	20249
AGD 1966 AMG Zone 50	20250
AGD 1966 AMG Zone 51	20251
AGD 1966 AMG Zone 52	20252
AGD 1966 AMG Zone 53	20253
AGD 1966 AMG Zone 54	20254
AGD 1966 AMG Zone 55	20255
AGD 1966 AMG Zone 56	20256
AGD 1966 AMG Zone 57	20257
AGD 1966 AMG Zone 58	20258
AGD 1984 AMG Zone 48	20348
AGD 1984 AMG Zone 49	20349
AGD 1984 AMG Zone 50	20350
AGD 1984 AMG Zone 51	20351
AGD 1984 AMG Zone 52	20352
AGD 1984 AMG Zone 53	20353
AGD 1984 AMG Zone 54	20354
AGD 1984 AMG Zone 55	20355
AGD 1984 AMG Zone 56	20356
AGD 1984 AMG Zone 57	20357
AGD 1984 AMG Zone 58	20358
ATS 1977 MTM 4 Nova Scotia	2294
ATS 1977 MTM 5 Nova Scotia	2295
ATS 1977 UTM Zone 19N	2219
ATS 1977 UTM Zone 20N	2220
Adindan UTM Zone 37N	20137
Adindan UTM Zone 38N	20138
Afgooye UTM Zone 38N	20538
Afgooye UTM Zone 39N	20539
Ain el Abd UTM Zone 37N	20437
Ain el Abd UTM Zone 38N	20438
Ain el Abd UTM Zone 39N	20439
Anguilla 1957 British West Indies Grid	200
Antigua 1943 British West Indies Grid	201
Aratu UTM Zone 22S	20822
Aratu UTM Zone 23S	20823
Aratu UTM Zone 24S	20824
Argentina Zone 1	22191
Argentina Zone 2	22192
Argentina Zone 3	22193
Argentina Zone 4	22194
Argentina Zone 5	22195
Argentina Zone 6	22196
Argentina Zone 7	22197
Austria Central Zone	31292
Austria East Zone	31293

Austria West Zone	31291
Bahrain State Grid	20499
Barbados 1938 Barbados Grid	21292
Barbados 1938 British West Indies Grid	21291
Batavia UTM Zone 48S	21148
Batavia UTM Zone 49S	21149
Batavia UTM Zone 50S	21150
Beijing 1954 GK Zone 13	21413
Beijing 1954 GK Zone 13N	21473
Beijing 1954 GK Zone 14	21414
Beijing 1954 GK Zone 14N	21474
Beijing 1954 GK Zone 15	21415
Beijing 1954 GK Zone 15N	21475
Beijing 1954 GK Zone 16	21416
Beijing 1954 GK Zone 16N	21476
Beijing 1954 GK Zone 17	21417
Beijing 1954 GK Zone 17N	21477
Beijing 1954 GK Zone 18	21418
Beijing 1954 GK Zone 18N	21478
Beijing 1954 GK Zone 19	21419
Beijing 1954 GK Zone 19N	21479
Beijing 1954 GK Zone 20	21420
Beijing 1954 GK Zone 20N	21480
Beijing 1954 GK Zone 21	21421
Beijing 1954 GK Zone 21N	21481
Beijing 1954 GK Zone 22	21422
Beijing 1954 GK Zone 22N	21482
Beijing 1954 GK Zone 23	21423
Beijing 1954 GK Zone 23N	21483
Belge Lambert 1950	21500
Bogota UTM Zone 17N	21817
Bogota UTM Zone 18N	21818
British National Grid	27700
Camacupa TM 11 30 SE	22091
Camacupa TM 12 SE	22092
Camacupa UTM Zone 32S	22032
Camacupa UTM Zone 33S	22033
Carthage UTM Zone 32N	22332
Centre France	27592
Colombia Bogota Zone	21892
Colombia East Central Zone	21893
Colombia East Zone	21894
Colombia West Zone	21891
Corrego Alegre UTM Zone 23S	22523
Corrego Alegre UTM Zone 24S	22524
Corse	27594
Datum 73 UTM Zone 29N	27429

Dominica 1945 British West Indies Grid	202
Douala UTM Zone 32N	22832
ED 1950 TM 0 N	23090
ED 1950 TM 5 NE	23095
ED 1950 UTM Zone 28N	23028
ED 1950 UTM Zone 29N	23029
ED 1950 UTM Zone 30N	23030
ED 1950 UTM Zone 31N	23031
ED 1950 UTM Zone 32N	23032
ED 1950 UTM Zone 33N	23033
ED 1950 UTM Zone 34N	23034
ED 1950 UTM Zone 35N	23035
ED 1950 UTM Zone 36N	23036
ED 1950 UTM Zone 37N	23037
ED 1950 UTM Zone 38N	23038
ETRF 1989 TM Baltic 1993	25884
ETRF 1989 UTM Zone 28N	25828
ETRF 1989 UTM Zone 29N	25829
ETRF 1989 UTM Zone 30N	25830
ETRF 1989 UTM Zone 31N	25831
ETRF 1989 UTM Zone 32N	25832
ETRF 1989 UTM Zone 33N	25833
ETRF 1989 UTM Zone 34N	25834
ETRF 1989 UTM Zone 35N	25835
ETRF 1989 UTM Zone 36N	25836
ETRF 1989 UTM Zone 37N	25837
ETRF 1989 UTM Zone 38N	25838
Egypt Blue Belt	22991
Egypt Extended Purple Belt	22994
Egypt Purple Belt	22993
Egypt Red Belt	22992
Estonian Coordinate System of 1992	3300
FD 1958 Iraq	3200
Fahud UTM Zone 39N	23239
Fahud UTM Zone 40N	23240
Finland Zone 1	2391
Finland Zone 2	2392
Finland Zone 3	2393
Finland Zone 4	2394
France I	27581
France II	27582
France III	27583
France IV	27584
GDA 1994 MGA Zone 48	28348
GDA 1994 MGA Zone 49	28349
GDA 1994 MGA Zone 50	28350
GDA 1994 MGA Zone 51	28351
GDA 1994 MGA Zone 52	28352
GDA 1994 MGA Zone 53	28353
GDA 1994 MGA Zone 54	28354
GDA 1994 MGA Zone 55	28355
GDA 1994 MGA Zone 56	28356

GDA 1994 MGA Zone 57	28357
GDA 1994 MGA Zone 58	28358
Garoua UTM Zone 33N	23433
Germany Zone 1	31491
Germany Zone 2	31492
Germany Zone 3	31493
Germany Zone 4	31494
Germany Zone 5	31495
Ghana Metre Grid	25000
Greek Grid	2100
Grenada 1953 British West Indies Grid	203
India Zone 0	24370
India Zone I	24371
India Zone IIIa	24373
India Zone IIIb	24383
India Zone IIa	24372
India Zone IIb	24382
India Zone IVa	24374
India Zone IVb	24384
Indian 1954 UTM Zone 47N	23947
Indian 1954 UTM Zone 48N	23948
Indian 1960 TM 106NE	3176
Indian 1960 UTM Zone 48N	3148
Indian 1960 UTM Zone 49N	3149
Indian 1975 UTM Zone 47N	24047
Indian 1975 UTM Zone 48N	24048
Indonesian 1974 UTM Zone 46N	23846
Indonesian 1974 UTM Zone 46S	23886
Indonesian 1974 UTM Zone 47N	23847
Indonesian 1974 UTM Zone 47S	23887
Indonesian 1974 UTM Zone 48N	23848
Indonesian 1974 UTM Zone 48S	23888
Indonesian 1974 UTM Zone 49N	23849
Indonesian 1974 UTM Zone 49S	23889
Indonesian 1974 UTM Zone 50N	23850
Indonesian 1974 UTM Zone 50S	23890
Indonesian 1974 UTM Zone 51N	23851
Indonesian 1974 UTM Zone 51S	23891
Indonesian 1974 UTM Zone 52N	23852
Indonesian 1974 UTM Zone 52S	23892
Indonesian 1974 UTM Zone 53N	23853
Indonesian 1974 UTM Zone 53S	23893
Indonesian 1974 UTM Zone 54S	23894
Irish National Grid	29900
Jamaica 1875 Old Grid	24100
Jamaica Grid	24200
Japan Zone 1	30161
Japan Zone 10	30170
Japan Zone 11	30171
Japan Zone 12	30172
Japan Zone 13	30173
Japan Zone 14	30174

Japan Zone 15	30175
Japan Zone 16	30176
Japan Zone 17	30177
Japan Zone 18	30178
Japan Zone 19	30179
Japan Zone 2	30162
Japan Zone 3	30163
Japan Zone 4	30164
Japan Zone 5	30165
Japan Zone 6	30166
Japan Zone 7	30167
Japan Zone 8	30168
Japan Zone 9	30169
KOC Lambert	24600
KUDAMS KTM	31900
Kertau Singapore Grid	24500
Kertau UTM Zone 47N	24547
Kertau UTM Zone 48N	24548
La Canoa UTM Zone 20N	24720
La Canoa UTM Zone 21N	24721
Leituvos Koordinoei Sistema	2600
Lome UTM Zone 31N	25231
Madrid 1870 Madrid Spain	300
Malongo 1987 UTM Zone 32S	25932
Massawa UTM Zone 37N	26237
Mhast UTM Zone 32S	26432
Minna UTM Zone 31N	26331
Minna UTM Zone 32N	26332
Monte Mario Rome Italy 1	26591
Monte Mario Rome Italy 2	26592
Montserrat 1958 British West Indies Grid	204
Moznet UTM Zone 36S	3036
Moznet UTM Zone 37S	3037
Mporaloko UTM Zone 32N	26632
Mporaloko UTM Zone 32S	26692
NAD 1927 BLM Zone 14N	32074
NAD 1927 BLM Zone 15N	32075
NAD 1927 BLM Zone 16N	32076
NAD 1927 BLM Zone 17N	32077
NAD 1927 CGQ77 MTM 10 SCoPQ	216
NAD 1927 CGQ77 MTM 2 SCoPQ	208
NAD 1927 CGQ77 MTM 3 SCoPQ	209
NAD 1927 CGQ77 MTM 4 SCoPQ	210
NAD 1927 CGQ77 MTM 5 SCoPQ	211
NAD 1927 CGQ77 MTM 6 SCoPQ	212
NAD 1927 CGQ77 MTM 7 SCoPQ	213
NAD 1927 CGQ77 MTM 8 SCoPQ	214
NAD 1927 CGQ77 MTM 9 SCoPQ	215
NAD 1927 CGQ77 UTM Zone 17N	231
NAD 1927 CGQ77 UTM Zone 18N	232
NAD 1927 CGQ77 UTM Zone 19N	233
NAD 1927 CGQ77 UTM Zone 20N	234

NAD 1927 CGQ77 UTM Zone 21N	235
NAD 1927 DEF 1976 MTM 10	219
NAD 1927 DEF 1976 MTM 11	220
NAD 1927 DEF 1976 MTM 12	221
NAD 1927 DEF 1976 MTM 13	222
NAD 1927 DEF 1976 MTM 14	223
NAD 1927 DEF 1976 MTM 15	224
NAD 1927 DEF 1976 MTM 16	225
NAD 1927 DEF 1976 MTM 17	226
NAD 1927 DEF 1976 MTM 8	217
NAD 1927 DEF 1976 MTM 9	218
NAD 1927 DEF 1976 UTM Zone 15N	227
NAD 1927 DEF 1976 UTM Zone 16N	228
NAD 1927 DEF 1976 UTM Zone 17N	229
NAD 1927 DEF 1976 UTM Zone 18N	230
NAD 1927 MTM 1	32081
NAD 1927 MTM 2	32082
NAD 1927 MTM 3	32083
NAD 1927 MTM 4	32084
NAD 1927 MTM 5	32085
NAD 1927 MTM 6	32086
NAD 1927 StatePlane Alabama East FIPS 0101	26729
NAD 1927 StatePlane Alabama West FIPS 0102	26730
NAD 1927 StatePlane Alaska 1 FIPS 5001	26731
NAD 1927 StatePlane Alaska 10 FIPS 5010	26740
NAD 1927 StatePlane Alaska 2 FIPS 5002	26732
NAD 1927 StatePlane Alaska 3 FIPS 5003	26733
NAD 1927 StatePlane Alaska 4 FIPS 5004	26734
NAD 1927 StatePlane Alaska 5 FIPS 5005	26735
NAD 1927 StatePlane Alaska 6 FIPS 5006	26736
NAD 1927 StatePlane Alaska 7 FIPS 5007	26737
NAD 1927 StatePlane Alaska 8 FIPS 5008	26738
NAD 1927 StatePlane Alaska 9 FIPS 5009	26739
NAD 1927 StatePlane Arizona Central FIPS 0202	26749
NAD 1927 StatePlane Arizona East FIPS 0201	26748
NAD 1927 StatePlane Arizona West FIPS 0203	26750
NAD 1927 StatePlane Arkansas North FIPS 0301	26751
NAD 1927 StatePlane Arkansas South FIPS 0302	26752
NAD 1927 StatePlane California I FIPS 0401	26741
NAD 1927 StatePlane California II FIPS 0402	26742
NAD 1927 StatePlane California III FIPS 0403	26743
NAD 1927 StatePlane California IV FIPS 0404	26744
NAD 1927 StatePlane California V FIPS 0405	26745
NAD 1927 StatePlane California VI FIPS 0406	26746
NAD 1927 StatePlane California VII FIPS 0407	26747
NAD 1927 StatePlane Colorado Central FIPS 0502	26754
NAD 1927 StatePlane Colorado North FIPS 0501	26753
NAD 1927 StatePlane Colorado South FIPS 0503	26755

NAD 1927 StatePlane Connecticut FIPS 0600	26756
NAD 1927 StatePlane Delaware FIPS 0700	26757
NAD 1927 StatePlane Florida East FIPS 0901	26758
NAD 1927 StatePlane Florida North FIPS 0903	26760
NAD 1927 StatePlane Florida West FIPS 0902	26759
NAD 1927 StatePlane Georgia East FIPS 1001	26766
NAD 1927 StatePlane Georgia West FIPS 1002	26767
NAD 1927 StatePlane Guam FIPS 5400	65061
NAD 1927 StatePlane Hawaii 1 FIPS 5101	26761
NAD 1927 StatePlane Hawaii 2 FIPS 5102	26762
NAD 1927 StatePlane Hawaii 3 FIPS 5103	26763
NAD 1927 StatePlane Hawaii 4 FIPS 5104	26764
NAD 1927 StatePlane Hawaii 5 FIPS 5105	26765
NAD 1927 StatePlane Idaho Central FIPS 1102	26769
NAD 1927 StatePlane Idaho East FIPS 1101	26768
NAD 1927 StatePlane Idaho West FIPS 1103	26770
NAD 1927 StatePlane Illinois East FIPS 1201	26771
NAD 1927 StatePlane Illinois West FIPS 1202	26772
NAD 1927 StatePlane Indiana East FIPS 1301	26773
NAD 1927 StatePlane Indiana West FIPS 1302	26774
NAD 1927 StatePlane Iowa North FIPS 1401	26775
NAD 1927 StatePlane Iowa South FIPS 1402	26776
NAD 1927 StatePlane Kansas North FIPS 1501	26777
NAD 1927 StatePlane Kansas South FIPS 1502	26778
NAD 1927 StatePlane Kentucky North FIPS 1601	26779
NAD 1927 StatePlane Kentucky South FIPS 1602	26780
NAD 1927 StatePlane Louisiana North FIPS 1701	26781
NAD 1927 StatePlane Louisiana South FIPS 1702	26782
NAD 1927 StatePlane Maine East FIPS 1801	26783
NAD 1927 StatePlane Maine West FIPS 1802	26784
NAD 1927 StatePlane Maryland FIPS 1900	26785
NAD 1927 StatePlane Massachusetts Island FIPS 2002	26787
NAD 1927 StatePlane Massachusetts Mainland FIPS 2001	26786
NAD 1927 StatePlane Michigan Central FIPS 2112	26789
NAD 1927 StatePlane Michigan North FIPS 2111	26788
NAD 1927 StatePlane Michigan South FIPS 2113	26790
NAD 1927 StatePlane Minnesota Central FIPS 2202	26792
NAD 1927 StatePlane Minnesota North FIPS 2201	26791
NAD 1927 StatePlane Minnesota South FIPS 2203	26793
NAD 1927 StatePlane Mississippi East FIPS 2301	26794
NAD 1927 StatePlane Mississippi West FIPS 2302	26795
NAD 1927 StatePlane Missouri Central FIPS 2402	26797
NAD 1927 StatePlane Missouri East FIPS 2401	26796
NAD 1927 StatePlane Missouri West FIPS	26798

2403	
NAD 1927 StatePlane Montana Central FIPS 2502	32002
NAD 1927 StatePlane Montana North FIPS 2501	32001
NAD 1927 StatePlane Montana South FIPS 2503	32003
NAD 1927 StatePlane Nebraska North FIPS 2601	32005
NAD 1927 StatePlane Nebraska South FIPS 2602	32006
NAD 1927 StatePlane Nevada Central FIPS 2702	32008
NAD 1927 StatePlane Nevada East FIPS 2701	32007
NAD 1927 StatePlane Nevada West FIPS 2703	32009
NAD 1927 StatePlane New Hampshire FIPS 2800	32010
NAD 1927 StatePlane New Jersey FIPS 2900	32011
NAD 1927 StatePlane New Mexico Central FIPS 3002	32013
NAD 1927 StatePlane New Mexico East FIPS 3001	32012
NAD 1927 StatePlane New Mexico West FIPS 3003	32014
NAD 1927 StatePlane New York Central FIPS 3102	32016
NAD 1927 StatePlane New York East FIPS 3101	32015
NAD 1927 StatePlane New York Long Island FIPS 3104	32018
NAD 1927 StatePlane New York West FIPS 3103	32017
NAD 1927 StatePlane North Carolina FIPS 3200	32019
NAD 1927 StatePlane North Dakota North FIPS 3301	32020
NAD 1927 StatePlane North Dakota South FIPS 3302	32021
NAD 1927 StatePlane Ohio North FIPS 3401	32022
NAD 1927 StatePlane Ohio South FIPS 3402	32023
NAD 1927 StatePlane Oklahoma North FIPS 3501	32024
NAD 1927 StatePlane Oklahoma South FIPS 3502	32025
NAD 1927 StatePlane Oregon North FIPS 3601	32026
NAD 1927 StatePlane Oregon South FIPS 3602	32027
NAD 1927 StatePlane Pennsylvania North FIPS 3701	32028
NAD 1927 StatePlane Pennsylvania South FIPS 3702	32029
NAD 1927 StatePlane Puerto Rico FIPS 5201	32059
NAD 1927 StatePlane Rhode Island FIPS 3800	32030
NAD 1927 StatePlane South Carolina North FIPS 3901	32031
NAD 1927 StatePlane South Carolina South FIPS 3902	32033
NAD 1927 StatePlane South Dakota North FIPS 4001	32034
NAD 1927 StatePlane South Dakota South FIPS 4002	32035
NAD 1927 StatePlane Tennessee FIPS 4100	32036
NAD 1927 StatePlane Texas Central FIPS 4203	32039
NAD 1927 StatePlane Texas North Central FIPS 4202	32038

NAD 1927 StatePlane Texas North FIPS 4201	32037
NAD 1927 StatePlane Texas South Central FIPS 4204	32040
NAD 1927 StatePlane Texas South FIPS 4205	32041
NAD 1927 StatePlane Utah Central FIPS 4302	32043
NAD 1927 StatePlane Utah North FIPS 4301	32042
NAD 1927 StatePlane Utah South FIPS 4303	32044
NAD 1927 StatePlane Vermont FIPS 3400	32045
NAD 1927 StatePlane Virgin Islands St Croix FIPS 5202	32060
NAD 1927 StatePlane Virginia North FIPS 4501	32046
NAD 1927 StatePlane Virginia South FIPS 4502	32047
NAD 1927 StatePlane Washington North FIPS 4601	32048
NAD 1927 StatePlane Washington South FIPS 4602	32049
NAD 1927 StatePlane West Virginia North FIPS 4701	32050
NAD 1927 StatePlane West Virginia South FIPS 4702	32051
NAD 1927 StatePlane Wisconsin Central FIPS 4802	32053
NAD 1927 StatePlane Wisconsin North FIPS 4801	32052
NAD 1927 StatePlane Wisconsin South FIPS 4803	32054
NAD 1927 StatePlane Wyoming East Central FIPS 4902	32056
NAD 1927 StatePlane Wyoming East FIPS 4901	32055
NAD 1927 StatePlane Wyoming West Central FIPS 4903	32057
NAD 1927 StatePlane Wyoming West FIPS 4904	32058
NAD 1927 UTM Zone 10N	26710
NAD 1927 UTM Zone 11N	26711
NAD 1927 UTM Zone 12N	26712
NAD 1927 UTM Zone 13N	26713
NAD 1927 UTM Zone 14N	26714
NAD 1927 UTM Zone 15N	26715
NAD 1927 UTM Zone 16N	26716
NAD 1927 UTM Zone 17N	26717
NAD 1927 UTM Zone 18N	26718
NAD 1927 UTM Zone 19N	26719
NAD 1927 UTM Zone 20N	26720
NAD 1927 UTM Zone 21N	26721
NAD 1927 UTM Zone 22N	26722
NAD 1927 UTM Zone 3N	26703
NAD 1927 UTM Zone 4N	26704
NAD 1927 UTM Zone 5N	26705
NAD 1927 UTM Zone 6N	26706
NAD 1927 UTM Zone 7N	26707
NAD 1927 UTM Zone 8N	26708
NAD 1927 UTM Zone 9N	26709
NAD 1983 MTM 1	32181
NAD 1983 MTM 10	32190
NAD 1983 MTM 11	32191
NAD 1983 MTM 12	32192

NAD 1983 MTM 13	32193
NAD 1983 MTM 14	32194
NAD 1983 MTM 15	32195
NAD 1983 MTM 16	32196
NAD 1983 MTM 17	32197
NAD 1983 MTM 2	32182
NAD 1983 MTM 2 SCoPQ	32180
NAD 1983 MTM 3	32183
NAD 1983 MTM 4	32184
NAD 1983 MTM 5	32185
NAD 1983 MTM 6	32186
NAD 1983 MTM 7	32187
NAD 1983 MTM 8	32188
NAD 1983 MTM 9	32189
NAD 1983 StatePlane Alabama East FIPS 0101	26929
NAD 1983 StatePlane Alabama West FIPS 0102	26930
NAD 1983 StatePlane Alaska 1 FIPS 5001	26931
NAD 1983 StatePlane Alaska 10 FIPS 5010	26940
NAD 1983 StatePlane Alaska 2 FIPS 5002	26932
NAD 1983 StatePlane Alaska 3 FIPS 5003	26933
NAD 1983 StatePlane Alaska 4 FIPS 5004	26934
NAD 1983 StatePlane Alaska 5 FIPS 5005	26935
NAD 1983 StatePlane Alaska 6 FIPS 5006	26936
NAD 1983 StatePlane Alaska 7 FIPS 5007	26937
NAD 1983 StatePlane Alaska 8 FIPS 5008	26938
NAD 1983 StatePlane Alaska 9 FIPS 5009	26939
NAD 1983 StatePlane Arizona Central FIPS 0202	26949
NAD 1983 StatePlane Arizona East FIPS 0201	26948
NAD 1983 StatePlane Arizona West FIPS 0203	26950
NAD 1983 StatePlane Arkansas North FIPS 0301	26951
NAD 1983 StatePlane Arkansas South FIPS 0302	26952
NAD 1983 StatePlane California I FIPS 0401	26941
NAD 1983 StatePlane California II FIPS 0402	26942
NAD 1983 StatePlane California III FIPS 0403	26943
NAD 1983 StatePlane California IV FIPS 0404	26944
NAD 1983 StatePlane California V FIPS 0405	26945
NAD 1983 StatePlane California VI FIPS 0406	26946
NAD 1983 StatePlane Colorado Central FIPS 0502	26954
NAD 1983 StatePlane Colorado North FIPS 0501	26953
NAD 1983 StatePlane Colorado South FIPS 0503	26955
NAD 1983 StatePlane Connecticut FIPS 0600	26956
NAD 1983 StatePlane Delaware FIPS 0700	26957
NAD 1983 StatePlane Florida East FIPS 0901	26958
NAD 1983 StatePlane Florida North FIPS 0903	26960
NAD 1983 StatePlane Florida West FIPS 0902	26959
NAD 1983 StatePlane Georgia East FIPS 1001	26966
NAD 1983 StatePlane Georgia West FIPS 1002	26967
NAD 1983 StatePlane Guam FIPS 5400	65161

NAD 1983 StatePlane Hawaii 1 FIPS 5101	26961
NAD 1983 StatePlane Hawaii 2 FIPS 5102	26962
NAD 1983 StatePlane Hawaii 3 FIPS 5103	26963
NAD 1983 StatePlane Hawaii 4 FIPS 5104	26964
NAD 1983 StatePlane Hawaii 5 FIPS 5105	26965
NAD 1983 StatePlane Idaho Central FIPS 1102	26969
NAD 1983 StatePlane Idaho East FIPS 1101	26968
NAD 1983 StatePlane Idaho West FIPS 1103	26970
NAD 1983 StatePlane Illinois East FIPS 1201	26971
NAD 1983 StatePlane Illinois West FIPS 1202	26972
NAD 1983 StatePlane Indiana East FIPS 1301	26973
NAD 1983 StatePlane Indiana West FIPS 1302	26974
NAD 1983 StatePlane Iowa North FIPS 1401	26975
NAD 1983 StatePlane Iowa South FIPS 1402	26976
NAD 1983 StatePlane Kansas North FIPS 1501	26977
NAD 1983 StatePlane Kansas South FIPS 1502	26978
NAD 1983 StatePlane Kentucky North FIPS 1601	26979
NAD 1983 StatePlane Kentucky South FIPS 1602	26980
NAD 1983 StatePlane Louisiana North FIPS 1701	26981
NAD 1983 StatePlane Louisiana South FIPS 1702	26982
NAD 1983 StatePlane Maine East FIPS 1801	26983
NAD 1983 StatePlane Maine West FIPS 1802	26984
NAD 1983 StatePlane Maryland FIPS 1900	26985
NAD 1983 StatePlane Massachusetts Island FIPS 2002	26987
NAD 1983 StatePlane Massachusetts Mainland FIPS 2001	26986
NAD 1983 StatePlane Michigan Central FIPS 2202	26989
NAD 1983 StatePlane Michigan North FIPS 2111	26988
NAD 1983 StatePlane Michigan South FIPS 2113	26990
NAD 1983 StatePlane Minnesota Central FIPS 2202	26992
NAD 1983 StatePlane Minnesota North FIPS 2201	26991
NAD 1983 StatePlane Minnesota South FIPS 2203	26993
NAD 1983 StatePlane Mississippi East FIPS 2301	26994
NAD 1983 StatePlane Mississippi West FIPS 2302	26995
NAD 1983 StatePlane Missouri Central FIPS 2402	26997
NAD 1983 StatePlane Missouri East FIPS 2401	26996
NAD 1983 StatePlane Missouri West FIPS 2403	26998
NAD 1983 StatePlane Montana FIPS 2500	32100
NAD 1983 StatePlane Nebraska FIPS 2600	32104
NAD 1983 StatePlane Nevada Central FIPS 2702	32108
NAD 1983 StatePlane Nevada East FIPS 2701	32107
NAD 1983 StatePlane Nevada West FIPS 2703	32109
NAD 1983 StatePlane New Hampshire FIPS 2800	32110

NAD 1983 StatePlane New Jersey FIPS 2900	32111
NAD 1983 StatePlane New Mexico Central FIPS 3002	32113
NAD 1983 StatePlane New Mexico East FIPS 3001	32112
NAD 1983 StatePlane New Mexico West FIPS 3003	32114
NAD 1983 StatePlane New York Central FIPS 3102	32116
NAD 1983 StatePlane New York East FIPS 3101	32115
NAD 1983 StatePlane New York Long Island FIPS 3104	32118
NAD 1983 StatePlane New York West FIPS 3103	32117
NAD 1983 StatePlane North Carolina FIPS 3200	32119
NAD 1983 StatePlane North Dakota North FIPS 3301	32120
NAD 1983 StatePlane North Dakota South FIPS 3302	32121
NAD 1983 StatePlane Ohio North FIPS 3401	32122
NAD 1983 StatePlane Ohio South FIPS 3402	32123
NAD 1983 StatePlane Oklahoma North FIPS 3501	32124
NAD 1983 StatePlane Oklahoma South FIPS 3502	32125
NAD 1983 StatePlane Oregon North FIPS 3601	32126
NAD 1983 StatePlane Oregon South FIPS 3602	32127
NAD 1983 StatePlane Pennsylvania North FIPS 3701	32128
NAD 1983 StatePlane Pennsylvania South FIPS 3702	32129
NAD 1983 StatePlane Puerto Rico Virgin Islands FIPS 5200	32161
NAD 1983 StatePlane Rhode Island FIPS 3800	32130
NAD 1983 StatePlane South Carolina FIPS 3900	32133
NAD 1983 StatePlane South Dakota North FIPS 4001	32134
NAD 1983 StatePlane South Dakota South FIPS 4002	32135
NAD 1983 StatePlane Tennessee FIPS 4100	32136
NAD 1983 StatePlane Texas Central FIPS 4203	32139
NAD 1983 StatePlane Texas North Central FIPS 4202	32138
NAD 1983 StatePlane Texas North FIPS 4201	32137
NAD 1983 StatePlane Texas South Central FIPS 4204	32140
NAD 1983 StatePlane Texas South FIPS 4205	32141
NAD 1983 StatePlane Utah Central FIPS 4302	32143
NAD 1983 StatePlane Utah North FIPS 4301	32142
NAD 1983 StatePlane Utah South FIPS 4303	32144
NAD 1983 StatePlane Vermont FIPS 4400	32145
NAD 1983 StatePlane Virginia North FIPS 4501	32146
NAD 1983 StatePlane Virginia South FIPS 4502	32147
NAD 1983 StatePlane Washington North FIPS 4601	32148
NAD 1983 StatePlane Washington South FIPS 4602	32149
NAD 1983 StatePlane West Virginia North FIPS 4701	32150

NAD 1983 StatePlane West Virginia South FIPS 4702	32151
NAD 1983 StatePlane Wisconsin Central FIPS 4802	32153
NAD 1983 StatePlane Wisconsin North FIPS 4801	32152
NAD 1983 StatePlane Wisconsin South FIPS 4803	32154
NAD 1983 StatePlane Wyoming East Central FIPS 4902	32156
NAD 1983 StatePlane Wyoming East FIPS 4901	32155
NAD 1983 StatePlane Wyoming West Central FIPS 4903	32157
NAD 1983 StatePlane Wyoming West FIPS 4904	32158
NAD 1983 UTM Zone 10N	26910
NAD 1983 UTM Zone 11N	26911
NAD 1983 UTM Zone 12N	26912
NAD 1983 UTM Zone 13N	26913
NAD 1983 UTM Zone 14N	26914
NAD 1983 UTM Zone 15N	26915
NAD 1983 UTM Zone 16N	26916
NAD 1983 UTM Zone 17N	26917
NAD 1983 UTM Zone 18N	26918
NAD 1983 UTM Zone 19N	26919
NAD 1983 UTM Zone 20N	26920
NAD 1983 UTM Zone 21N	26921
NAD 1983 UTM Zone 22N	26922
NAD 1983 UTM Zone 23N	26923
NAD 1983 UTM Zone 3N	26903
NAD 1983 UTM Zone 4N	26904
NAD 1983 UTM Zone 5N	26905
NAD 1983 UTM Zone 6N	26906
NAD 1983 UTM Zone 7N	26907
NAD 1983 UTM Zone 8N	26908
NAD 1983 UTM Zone 9N	26909
NAD Michigan StatePlane Michigan Central FIPS 2112	26812
NAD Michigan StatePlane Michigan Central Old FIPS 2102	26802
NAD Michigan StatePlane Michigan East Old FIPS 2101	26801
NAD Michigan StatePlane Michigan North FIPS 2111	26811
NAD Michigan StatePlane Michigan South FIPS 2113	26813
NAD Michigan StatePlane Michigan West Old FIPS 2103	26803
NGN UTM Zone 38N	31838
NGN UTM Zone 39N	31839
Nahrwan 1967 UTM Zone 38N	27038
Nahrwan 1967 UTM Zone 39N	27039
Nahrwan 1967 UTM Zone 40N	27040
Naparima 1972 UTM Zone 20N	27120
New Brunswick Stereographic	2200
New Zealand North Island	27291
New Zealand South Island	27292
Nigeria East Belt	26393

Nigeria Mid Belt	26392
Nigeria West Belt	26391
Nord Algerie	30591
Nord Algerie Ancienne	30491
Nord France	27591
Nord Maroc	26191
Nord Sahara 1959 UTM Zone 29N	30729
Nord Sahara 1959 UTM Zone 30N	30730
Nord Sahara 1959 UTM Zone 31N	30731
Nord Sahara 1959 UTM Zone 32N	30732
Nord Tunisie	22391
Nord de Guerre	27500
Old Hawaiian StatePlane Hawaii 1 FIPS 5101	3561
Old Hawaiian StatePlane Hawaii 2 FIPS 5102	3562
Old Hawaiian StatePlane Hawaii 3 FIPS 5103	3563
Old Hawaiian StatePlane Hawaii 4 FIPS 5104	3564
Old Hawaiian StatePlane Hawaii 5 FIPS 5105	3565
PDO 1993 UTM Zone 39N	3439
PDO 1993 UTM Zone 40N	3440
PSAD 1956 UTM Zone 17S	24877
PSAD 1956 UTM Zone 18N	24818
PSAD 1956 UTM Zone 18S	24878
PSAD 1956 UTM Zone 19N	24819
PSAD 1956 UTM Zone 19S	24879
PSAD 1956 UTM Zone 20N	24820
PSAD 1956 UTM Zone 20S	24880
PSAD 1956 UTM Zone 21N	24821
PSAD 1956 UTM Zone 21S	24881
PSAD 1956 UTM Zone 22S	24882
Palestine 1923 Palestine Belt	28192
Palestine 1923 Palestine Grid	28191
Peru Central Zone	24892
Peru East Zone	24893
Peru West Zone	24891
Philippines Zone I	25391
Philippines Zone II	25392
Philippines Zone III	25393
Philippines Zone IV	25394
Philippines Zone V	25395
Pointe Noire UTM Zone 32S	28232
Portuguese National Grid	20790
Prince Edward Island Stereographic	2290
Puerto Rico StatePlane Puerto Rico FIPS 5201	3991
Puerto Rico StatePlane Virgin Islands St Croix FIPS 5202	3992
Puerto Rico UTM Zone 20N	3920
Pulkovo 1942 GK Zone 10	28410
Pulkovo 1942 GK Zone 10N	28470
Pulkovo 1942 GK Zone 11	28411
Pulkovo 1942 GK Zone 11N	28471
Pulkovo 1942 GK Zone 12	28412
Pulkovo 1942 GK Zone 12N	28472

Pulkovo 1942 GK Zone 13	28413
Pulkovo 1942 GK Zone 13N	28473
Pulkovo 1942 GK Zone 14	28414
Pulkovo 1942 GK Zone 14N	28474
Pulkovo 1942 GK Zone 15	28415
Pulkovo 1942 GK Zone 15N	28475
Pulkovo 1942 GK Zone 16	28416
Pulkovo 1942 GK Zone 16N	28476
Pulkovo 1942 GK Zone 17	28417
Pulkovo 1942 GK Zone 17N	28477
Pulkovo 1942 GK Zone 18	28418
Pulkovo 1942 GK Zone 18N	28478
Pulkovo 1942 GK Zone 19	28419
Pulkovo 1942 GK Zone 19N	28479
Pulkovo 1942 GK Zone 2	28402
Pulkovo 1942 GK Zone 20	28420
Pulkovo 1942 GK Zone 20N	28480
Pulkovo 1942 GK Zone 21	28421
Pulkovo 1942 GK Zone 21N	28481
Pulkovo 1942 GK Zone 22	28422
Pulkovo 1942 GK Zone 22N	28482
Pulkovo 1942 GK Zone 23	28423
Pulkovo 1942 GK Zone 23N	28483
Pulkovo 1942 GK Zone 24	28424
Pulkovo 1942 GK Zone 24N	28484
Pulkovo 1942 GK Zone 25	28425
Pulkovo 1942 GK Zone 25N	28485
Pulkovo 1942 GK Zone 26	28426
Pulkovo 1942 GK Zone 26N	28486
Pulkovo 1942 GK Zone 27	28427
Pulkovo 1942 GK Zone 27N	28487
Pulkovo 1942 GK Zone 28	28428
Pulkovo 1942 GK Zone 28N	28488
Pulkovo 1942 GK Zone 29	28429
Pulkovo 1942 GK Zone 29N	28489
Pulkovo 1942 GK Zone 2N	28462
Pulkovo 1942 GK Zone 3	28403
Pulkovo 1942 GK Zone 30	28430
Pulkovo 1942 GK Zone 30N	28490
Pulkovo 1942 GK Zone 31	28431
Pulkovo 1942 GK Zone 31N	28491
Pulkovo 1942 GK Zone 32	28432
Pulkovo 1942 GK Zone 32N	28492
Pulkovo 1942 GK Zone 3N	28463
Pulkovo 1942 GK Zone 4	28404
Pulkovo 1942 GK Zone 4N	28464
Pulkovo 1942 GK Zone 5	28405
Pulkovo 1942 GK Zone 5N	28465
Pulkovo 1942 GK Zone 6	28406
Pulkovo 1942 GK Zone 6N	28466
Pulkovo 1942 GK Zone 7	28407
Pulkovo 1942 GK Zone 7N	28467

Pulkovo 1942 GK Zone 8	28408
Pulkovo 1942 GK Zone 8N	28468
Pulkovo 1942 GK Zone 9	28409
Pulkovo 1942 GK Zone 9N	28469
Pulkovo 1995 GK Zone 10	20010
Pulkovo 1995 GK Zone 10N	20070
Pulkovo 1995 GK Zone 11	20011
Pulkovo 1995 GK Zone 11N	20071
Pulkovo 1995 GK Zone 12	20012
Pulkovo 1995 GK Zone 12N	20072
Pulkovo 1995 GK Zone 13	20013
Pulkovo 1995 GK Zone 13N	20073
Pulkovo 1995 GK Zone 14	20014
Pulkovo 1995 GK Zone 14N	20074
Pulkovo 1995 GK Zone 15	20015
Pulkovo 1995 GK Zone 15N	20075
Pulkovo 1995 GK Zone 16	20016
Pulkovo 1995 GK Zone 16N	20076
Pulkovo 1995 GK Zone 17	20017
Pulkovo 1995 GK Zone 17N	20077
Pulkovo 1995 GK Zone 18	20018
Pulkovo 1995 GK Zone 18N	20078
Pulkovo 1995 GK Zone 19	20019
Pulkovo 1995 GK Zone 19N	20079
Pulkovo 1995 GK Zone 2	20002
Pulkovo 1995 GK Zone 20	20020
Pulkovo 1995 GK Zone 20N	20080
Pulkovo 1995 GK Zone 21	20021
Pulkovo 1995 GK Zone 21N	20081
Pulkovo 1995 GK Zone 22	20022
Pulkovo 1995 GK Zone 22N	20082
Pulkovo 1995 GK Zone 23	20023
Pulkovo 1995 GK Zone 23N	20083
Pulkovo 1995 GK Zone 24	20024
Pulkovo 1995 GK Zone 24N	20084
Pulkovo 1995 GK Zone 25	20025
Pulkovo 1995 GK Zone 25N	20085
Pulkovo 1995 GK Zone 26	20026
Pulkovo 1995 GK Zone 26N	20086
Pulkovo 1995 GK Zone 27	20027
Pulkovo 1995 GK Zone 27N	20087
Pulkovo 1995 GK Zone 28	20028
Pulkovo 1995 GK Zone 28N	20088
Pulkovo 1995 GK Zone 29	20029
Pulkovo 1995 GK Zone 29N	20089
Pulkovo 1995 GK Zone 2N	20062
Pulkovo 1995 GK Zone 3	20003
Pulkovo 1995 GK Zone 30	20030
Pulkovo 1995 GK Zone 30N	20090
Pulkovo 1995 GK Zone 31	20031
Pulkovo 1995 GK Zone 31N	20091
Pulkovo 1995 GK Zone 32	20032

Pulkovo 1995 GK Zone 32N	20092
Pulkovo 1995 GK Zone 3N	20063
Pulkovo 1995 GK Zone 4	20004
Pulkovo 1995 GK Zone 4N	20064
Pulkovo 1995 GK Zone 5	20005
Pulkovo 1995 GK Zone 5N	20065
Pulkovo 1995 GK Zone 6	20006
Pulkovo 1995 GK Zone 6N	20066
Pulkovo 1995 GK Zone 7	20007
Pulkovo 1995 GK Zone 7N	20067
Pulkovo 1995 GK Zone 8	20008
Pulkovo 1995 GK Zone 8N	20068
Pulkovo 1995 GK Zone 9	20009
Pulkovo 1995 GK Zone 9N	20069
Qatar National Grid	28600
RD New	28992
RD Old	28991
RT90 25 gon W	2400
SAD 1969 Brazil Polyconic	29100
SAD 1969 UTM Zone 17S	29177
SAD 1969 UTM Zone 18N	29118
SAD 1969 UTM Zone 18S	29178
SAD 1969 UTM Zone 19N	29119
SAD 1969 UTM Zone 19S	29179
SAD 1969 UTM Zone 20N	29120
SAD 1969 UTM Zone 20S	29180
SAD 1969 UTM Zone 21N	29121
SAD 1969 UTM Zone 21S	29181
SAD 1969 UTM Zone 22N	29122
SAD 1969 UTM Zone 22S	29182
SAD 1969 UTM Zone 23S	29183
SAD 1969 UTM Zone 24S	29184
SAD 1969 UTM Zone 25S	29185
Sahara	26193
Samboja UTM Zone 50S	2550
Sapper Hill 1943 UTM Zone 20S	29220
Sapper Hill 1943 UTM Zone 21S	29221
Schwarzeck UTM Zone 33S	29333
Sphere Azimuthal Equidistant	53032
Sphere Behrmann	53017
Sphere Bonne	53024
Sphere Cassini	53028
Sphere Eckert I	53015
Sphere Eckert II	53014
Sphere Eckert III	53013
Sphere Eckert IV	53012
Sphere Eckert V	53011
Sphere Eckert VI	53010
Sphere Equidistant Conic	53027
Sphere Equidistant Cylindrical	53002
Sphere Gall Stereographic	53016
Sphere Loximuthal	53023

Sphere Mercator	53004
Sphere Miller Cylindrical	53003
Sphere Mollweide	53009
Sphere Plate Carree	53001
Sphere Polyconic	53021
Sphere Quartic Authalic	53022
Sphere Robinson	53030
Sphere Sinusoidal	53008
Sphere Stereographic	53026
Sphere Two Point Equidistant	53031
Sphere Van der Grinten I	53029
Sphere Winkel I	53018
Sphere Winkel II	53019
St Kitts 1955 British West Indies Grid	205
St Lucia 1955 British West Indies Grid	206
St Vincent 1945 British West Indies Grid	207
Stereo 33	31600
Stereo 70	31700
Sud Algeria	30592
Sud Algeria Ancienne	30492
Sud France	27593
Sud Maroc	26192
Sud Tunisie	22392
Sudan UTM Zone 35N	29635
Sudan UTM Zone 36N	29636
Swedish National Grid	30800
TC 1948 UTM Zone 39N	30339
TC 1948 UTM Zone 40N	30340
Tananarive 1925 UTM Zone 38S	29738
Tananarive 1925 UTM Zone 39S	29739
Tete UTM Zone 36S	2736
Tete UTM Zone 37S	2737
Timbalai 1948 UTM Zone 49N	29849
Timbalai 1948 UTM Zone 50N	29850
UPS North	32661
UPS South	32761
WGS 1972 UTM Zone 10N	32210
WGS 1972 UTM Zone 10S	32310
WGS 1972 UTM Zone 11N	32211
WGS 1972 UTM Zone 11S	32311
WGS 1972 UTM Zone 12N	32212
WGS 1972 UTM Zone 12S	32312
WGS 1972 UTM Zone 13N	32213
WGS 1972 UTM Zone 13S	32313
WGS 1972 UTM Zone 14N	32214
WGS 1972 UTM Zone 14S	32314
WGS 1972 UTM Zone 15N	32215
WGS 1972 UTM Zone 15S	32315
WGS 1972 UTM Zone 16N	32216
WGS 1972 UTM Zone 16S	32316
WGS 1972 UTM Zone 17N	32217
WGS 1972 UTM Zone 17S	32317

WGS 1972 UTM Zone 18N	32218
WGS 1972 UTM Zone 18S	32318
WGS 1972 UTM Zone 19N	32219
WGS 1972 UTM Zone 19S	32319
WGS 1972 UTM Zone 1N	32201
WGS 1972 UTM Zone 1S	32301
WGS 1972 UTM Zone 20N	32220
WGS 1972 UTM Zone 20S	32320
WGS 1972 UTM Zone 21N	32221
WGS 1972 UTM Zone 21S	32321
WGS 1972 UTM Zone 22N	32222
WGS 1972 UTM Zone 22S	32322
WGS 1972 UTM Zone 23N	32223
WGS 1972 UTM Zone 23S	32323
WGS 1972 UTM Zone 24N	32224
WGS 1972 UTM Zone 24S	32324
WGS 1972 UTM Zone 25N	32225
WGS 1972 UTM Zone 25S	32325
WGS 1972 UTM Zone 26N	32226
WGS 1972 UTM Zone 26S	32326
WGS 1972 UTM Zone 27N	32227
WGS 1972 UTM Zone 27S	32327
WGS 1972 UTM Zone 28N	32228
WGS 1972 UTM Zone 28S	32328
WGS 1972 UTM Zone 29N	32229
WGS 1972 UTM Zone 29S	32329
WGS 1972 UTM Zone 2N	32202
WGS 1972 UTM Zone 2S	32302
WGS 1972 UTM Zone 30N	32230
WGS 1972 UTM Zone 30S	32330
WGS 1972 UTM Zone 31N	32231
WGS 1972 UTM Zone 31S	32331
WGS 1972 UTM Zone 32N	32232
WGS 1972 UTM Zone 32S	32332
WGS 1972 UTM Zone 33N	32233
WGS 1972 UTM Zone 33S	32333
WGS 1972 UTM Zone 34N	32234
WGS 1972 UTM Zone 34S	32334
WGS 1972 UTM Zone 35N	32235
WGS 1972 UTM Zone 35S	32335
WGS 1972 UTM Zone 36N	32236
WGS 1972 UTM Zone 36S	32336
WGS 1972 UTM Zone 37N	32237
WGS 1972 UTM Zone 37S	32337
WGS 1972 UTM Zone 38N	32238
WGS 1972 UTM Zone 38S	32338
WGS 1972 UTM Zone 39N	32239
WGS 1972 UTM Zone 39S	32339
WGS 1972 UTM Zone 3N	32203
WGS 1972 UTM Zone 3S	32303
WGS 1972 UTM Zone 40N	32240
WGS 1972 UTM Zone 40S	32340

WGS 1972 UTM Zone 41N	32241
WGS 1972 UTM Zone 41S	32341
WGS 1972 UTM Zone 42N	32242
WGS 1972 UTM Zone 42S	32342
WGS 1972 UTM Zone 43N	32243
WGS 1972 UTM Zone 43S	32343
WGS 1972 UTM Zone 44N	32244
WGS 1972 UTM Zone 44S	32344
WGS 1972 UTM Zone 45N	32245
WGS 1972 UTM Zone 45S	32345
WGS 1972 UTM Zone 46N	32246
WGS 1972 UTM Zone 46S	32346
WGS 1972 UTM Zone 47N	32247
WGS 1972 UTM Zone 47S	32347
WGS 1972 UTM Zone 48N	32248
WGS 1972 UTM Zone 48S	32348
WGS 1972 UTM Zone 49N	32249
WGS 1972 UTM Zone 49S	32349
WGS 1972 UTM Zone 4N	32204
WGS 1972 UTM Zone 4S	32304
WGS 1972 UTM Zone 50N	32250
WGS 1972 UTM Zone 50S	32350
WGS 1972 UTM Zone 51N	32251
WGS 1972 UTM Zone 51S	32351
WGS 1972 UTM Zone 52N	32252
WGS 1972 UTM Zone 52S	32352
WGS 1972 UTM Zone 53N	32253
WGS 1972 UTM Zone 53S	32353
WGS 1972 UTM Zone 54N	32254
WGS 1972 UTM Zone 54S	32354
WGS 1972 UTM Zone 55N	32255
WGS 1972 UTM Zone 55S	32355
WGS 1972 UTM Zone 56N	32256
WGS 1972 UTM Zone 56S	32356
WGS 1972 UTM Zone 57N	32257
WGS 1972 UTM Zone 57S	32357
WGS 1972 UTM Zone 58N	32258
WGS 1972 UTM Zone 58S	32358
WGS 1972 UTM Zone 59N	32259
WGS 1972 UTM Zone 59S	32359
WGS 1972 UTM Zone 5N	32205
WGS 1972 UTM Zone 5S	32305
WGS 1972 UTM Zone 60N	32260
WGS 1972 UTM Zone 60S	32360
WGS 1972 UTM Zone 6N	32206
WGS 1972 UTM Zone 6S	32306
WGS 1972 UTM Zone 7N	32207
WGS 1972 UTM Zone 7S	32307
WGS 1972 UTM Zone 8N	32208
WGS 1972 UTM Zone 8S	32308
WGS 1972 UTM Zone 9N	32209
WGS 1972 UTM Zone 9S	32309

WGS 1984 TM 36 SE	32766
WGS 1984 UTM Zone 10N	32610
WGS 1984 UTM Zone 10S	32710
WGS 1984 UTM Zone 11N	32611
WGS 1984 UTM Zone 11S	32711
WGS 1984 UTM Zone 12N	32612
WGS 1984 UTM Zone 12S	32712
WGS 1984 UTM Zone 13N	32613
WGS 1984 UTM Zone 13S	32713
WGS 1984 UTM Zone 14N	32614
WGS 1984 UTM Zone 14S	32714
WGS 1984 UTM Zone 15N	32615
WGS 1984 UTM Zone 15S	32715
WGS 1984 UTM Zone 16N	32616
WGS 1984 UTM Zone 16S	32716
WGS 1984 UTM Zone 17N	32617
WGS 1984 UTM Zone 17S	32717
WGS 1984 UTM Zone 18N	32618
WGS 1984 UTM Zone 18S	32718
WGS 1984 UTM Zone 19N	32619
WGS 1984 UTM Zone 19S	32719
WGS 1984 UTM Zone 1N	32601
WGS 1984 UTM Zone 1S	32701
WGS 1984 UTM Zone 20N	32620
WGS 1984 UTM Zone 20S	32720
WGS 1984 UTM Zone 21N	32621
WGS 1984 UTM Zone 21S	32721
WGS 1984 UTM Zone 22N	32622
WGS 1984 UTM Zone 22S	32722
WGS 1984 UTM Zone 23N	32623
WGS 1984 UTM Zone 23S	32723
WGS 1984 UTM Zone 24N	32624
WGS 1984 UTM Zone 24S	32724
WGS 1984 UTM Zone 25N	32625
WGS 1984 UTM Zone 25S	32725
WGS 1984 UTM Zone 26N	32626
WGS 1984 UTM Zone 26S	32726
WGS 1984 UTM Zone 27N	32627
WGS 1984 UTM Zone 27S	32727
WGS 1984 UTM Zone 28N	32628
WGS 1984 UTM Zone 28S	32728
WGS 1984 UTM Zone 29N	32629
WGS 1984 UTM Zone 29S	32729
WGS 1984 UTM Zone 2N	32602
WGS 1984 UTM Zone 2S	32702
WGS 1984 UTM Zone 30N	32630
WGS 1984 UTM Zone 30S	32730
WGS 1984 UTM Zone 31N	32631
WGS 1984 UTM Zone 31S	32731
WGS 1984 UTM Zone 32N	32632
WGS 1984 UTM Zone 32S	32732
WGS 1984 UTM Zone 33N	32633

WGS 1984 UTM Zone 33S	32733
WGS 1984 UTM Zone 34N	32634
WGS 1984 UTM Zone 34S	32734
WGS 1984 UTM Zone 35N	32635
WGS 1984 UTM Zone 35S	32735
WGS 1984 UTM Zone 36N	32636
WGS 1984 UTM Zone 36S	32736
WGS 1984 UTM Zone 37N	32637
WGS 1984 UTM Zone 37S	32737
WGS 1984 UTM Zone 38N	32638
WGS 1984 UTM Zone 38S	32738
WGS 1984 UTM Zone 39N	32639
WGS 1984 UTM Zone 39S	32739
WGS 1984 UTM Zone 3N	32603
WGS 1984 UTM Zone 3S	32703
WGS 1984 UTM Zone 40N	32640
WGS 1984 UTM Zone 40S	32740
WGS 1984 UTM Zone 41N	32641
WGS 1984 UTM Zone 41S	32741
WGS 1984 UTM Zone 42N	32642
WGS 1984 UTM Zone 42S	32742
WGS 1984 UTM Zone 43N	32643
WGS 1984 UTM Zone 43S	32743
WGS 1984 UTM Zone 44N	32644
WGS 1984 UTM Zone 44S	32744
WGS 1984 UTM Zone 45N	32645
WGS 1984 UTM Zone 45S	32745
WGS 1984 UTM Zone 46N	32646
WGS 1984 UTM Zone 46S	32746
WGS 1984 UTM Zone 47N	32647
WGS 1984 UTM Zone 47S	32747
WGS 1984 UTM Zone 48N	32648
WGS 1984 UTM Zone 48S	32748
WGS 1984 UTM Zone 49N	32649
WGS 1984 UTM Zone 49S	32749
WGS 1984 UTM Zone 4N	32604
WGS 1984 UTM Zone 4S	32704
WGS 1984 UTM Zone 50N	32650
WGS 1984 UTM Zone 50S	32750
WGS 1984 UTM Zone 51N	32651
WGS 1984 UTM Zone 51S	32751
WGS 1984 UTM Zone 52N	32652
WGS 1984 UTM Zone 52S	32752
WGS 1984 UTM Zone 53N	32653
WGS 1984 UTM Zone 53S	32753
WGS 1984 UTM Zone 54N	32654
WGS 1984 UTM Zone 54S	32754
WGS 1984 UTM Zone 55N	32655
WGS 1984 UTM Zone 55S	32755
WGS 1984 UTM Zone 56N	32656
WGS 1984 UTM Zone 56S	32756
WGS 1984 UTM Zone 57N	32657

WGS 1984 UTM Zone 57S	32757
WGS 1984 UTM Zone 58N	32658
WGS 1984 UTM Zone 58S	32758
WGS 1984 UTM Zone 59N	32659
WGS 1984 UTM Zone 59S	32759
WGS 1984 UTM Zone 5N	32605
WGS 1984 UTM Zone 5S	32705
WGS 1984 UTM Zone 60N	32660
WGS 1984 UTM Zone 60S	32760
WGS 1984 UTM Zone 6N	32606
WGS 1984 UTM Zone 6S	32706
WGS 1984 UTM Zone 7N	32607
WGS 1984 UTM Zone 7S	32707
WGS 1984 UTM Zone 8N	32608
WGS 1984 UTM Zone 8S	32708
WGS 1984 UTM Zone 9N	32609
WGS 1984 UTM Zone 9S	32709
World Azimuthal Equidistant	54032
World Behrmann	54017
World Bonne	54024
World Cassini	54028
World Eckert I	54015
World Eckert II	54014
World Eckert III	54013

World Eckert IV	54012
World Eckert V	54011
World Eckert VI	54010
World Equidistant Conic	54027
World Equidistant Cylindrical	54002
World Gall Stereographic	54016
World Hotine	54025
World Loximuthal	54023
World Mercator	54004
World Miller Cylindrical	54003
World Mollweide	54009
World Plate Carree	54001
World Polyconic	54021
World Quartic Authalic	54022
World Robinson	54030
World Sinusoidal	54008
World Stereographic	54026
World Two Point Equidistant	54031
World Van der Grinten I	54029
World Winkel I	54018
World Winkel II	54019
Yoff 1972 UTM Zone 28N	31028
Zanderij 1972 UTM Zone 21N	31121

### III. IDs and associated Geographic Coordinate System listed numerically

ID	Geographic Coordinate Systems
37260	GCS Alaskan Islands
37259	GCS Kusaie 1951
37258	GCS S JTSK
37257	GCS S42 Hungary
37255	GCS Gunung Segara
37254	GCS Deception Island
37253	GCS Camp Area
37252	GCS Samoa 1962
37251	GCS Tristan 1968
37250	GCS Selvagem Grande 1938
37249	GCS Sao Braz
37247	GCS Porto Santo 1936
37246	GCS Pico de Las Nieves
37245	GCS Observ Meteorologico 1939
37243	GCS LC5 1961
37242	GCS ISTS 061 1968
37241	GCS Graciosa Base SW 1948
37240	GCS Fort Thomas 1955
37239	GCS Cape Canaveral
37238	GCS DOS 71 4
37237	GCS Ascension Island 1958
37235	GCS Reunion
37234	GCS Kerguelen Island 1949
37233	GCS ISTS 073 1969
37232	GCS Gan 1970
37231	GCS Anna 1 1965
37230	GCS Wake Island 1952
37229	GCS Wake Eniwetok 1960
37228	GCS Viti Levu 1916
37227	GCS Santo DOS 1965
37226	GCS Pitcairn 1967
37224	GCS Midway 1961
37223	GCS Carthage Degree
37222	GCS Johnston Island 1961
37221	GCS GUX 1
37220	GCS Guam 1963
37219	GCS Easter Island 1967
37218	GCS DOS 1968
37217	GCS Chatham Island 1971
37216	GCS Canton 1966
37215	GCS Bellevue IGN
37214	GCS Astro 1952
37213	GCS Tern Island 1961
37212	GCS Beacon E 1945
37211	GCS Point 58
37210	GCS Dabola
37209	GCS Bissau
37208	GCS Ayabelle

37207	GCS South Asia Singapore
37206	GCS Oman
37205	GCS Hong Kong 1963
37204	GCS Hjorsey 1955
37203	GCS Everest India Nepal
37202	GCS Everest Bangladesh
37201	GCS European 1979
37008	GCS Sphere ARC INFO
37007	GCS Walbeck
37006	GCS Everest Modified 1969
37005	GCS Hough 1960
37004	GCS Fischer Modified
37003	GCS Fischer 1968
37002	GCS Fischer 1960
37001	GCS WGS 1966
4903	GCS Madrid 1870 Madrid
4902	GCS Nord de Guerre Paris
4901	GCS ATF Paris
4816	GCS Carthage Paris
4815	GCS Greek Athens
4814	GCS RT38 Stockholm
4813	GCS Batavia Jakarta
4812	GCS Voirol Unifie 1960 Paris
4811	GCS Voirol 1875 Paris
4810	GCS Tananarive 1925 Paris
4809	GCS Belge 1950 Brussels
4808	GCS Padang 1884 Jakarta
4807	GCS NTF Paris
4806	GCS Monte Mario Rome
4805	GCS MGI Ferro
4804	GCS Makassar Jakarta
4803	GCS Lisbon Lisbon
4802	GCS Bogota Bogota
4801	GCS Bern 1898 Bern
4609	GCS NAD 1927 CGQ77
4608	GCS NAD 1927 Definition 1976
4607	GCS St Vincent 1945
4606	GCS St Lucia 1955
4605	GCS St Kitts 1955
4603	GCS Grenada 1953
4602	GCS Dominica 1945
4601	GCS Antigua 1943
4600	GCS Anguilla 1957
4404	GCS Montserrat 1958
4326	GCS WGS 1984
4324	GCS WGS 1972 BE
4322	GCS WGS 1972

4319	GCS KUDAMS
4318	GCS NGN
4317	GCS Dealul Piscului 1970
4316	GCS Dealul Piscului 1933
4315	GCS Conakry 1905
4314	GCS Deutsche Hauptdreiecksnetz
4313	GCS Belge 1972
4312	GCS MGI
4311	GCS Zanderij
4310	GCS Yoff
4309	GCS Yacare
4308	GCS RT38
4307	GCS Nord Sahara 1959
4306	GCS Bern 1938
4305	GCS Voirol Unifie 1960
4304	GCS Voirol 1875
4303	GCS Trucial Coast 1948
4302	GCS Trinidad 1903
4301	GCS Tokyo
4300	GCS TM75
4299	GCS TM65
4298	GCS Timbalai 1948
4297	GCS Tananarive 1925
4296	GCS Sudan
4295	GCS Serindung
4294	GCS Segora
4293	GCS Schwarzeck
4292	GCS Sapper Hill 1943
4291	GCS South American 1969
4289	GCS Amersfoort
4288	GCS Loma Quintana
4287	GCS Qomooq
4286	GCS Qatar 1948
4285	GCS Qatar
4284	GCS Pulkovo 1942
4283	GCS GDA 1994
4282	GCS Pointe Noire
4281	GCS Palestine 1923
4280	GCS Padang 1884
4279	GCS OS SN 1980
4278	GCS OSGB 1970 SN
4277	GCS OSGB 1936
4276	GCS NSW 9Z 2
4275	GCS NTF
4274	GCS Datum 73
4273	GCS NGO 1948
4272	GCS New Zealand 1949
4271	GCS Naparima 1972
4270	GCS Nahrwan 1967
4269	GCS North American 1983
4268	GCS North American Michigan
4267	GCS North American 1927

4266	GCS Mporaloko
4265	GCS Monte Mario
4264	GCS Mhast
4263	GCS Minna
4262	GCS Massawa
4261	GCS Merchich
4260	GCS Manoca
4259	GCS Malongo 1987
4258	GCS ETRF 1989
4257	GCS Makassar
4256	GCS Mahe 1971
4255	GCS Herat North
4254	GCS Hito XVIII 1963
4253	GCS Luzon 1911
4252	GCS Lome
4251	GCS Liberia 1964
4250	GCS Leigon
4249	GCS Lake
4248	GCS Provisional S American 1956
4247	GCS La Canoa
4246	GCS Kuwait Oil Company
4245	GCS Kertau
4244	GCS Kandawala
4243	GCS Kalianpur
4242	GCS Jamaica 1969
4241	GCS Jamaica 1875
4240	GCS Indian 1975
4239	GCS Indian 1954
4238	GCS Indonesian 1974
4237	GCS Hungarian 1972
4236	GCS Hu Tzu Shan
4235	GCS Guyane Francaise
4234	GCS Garoua
4233	GCS Gandajika 1970
4232	GCS Fahud
4231	GCS European 1987
4230	GCS European 1950
4229	GCS Egypt 1907
4228	GCS Douala
4227	GCS Deir ez Zor
4226	GCS Cote d Ivoire
4225	GCS Corrego Alegre
4224	GCS Chua
4223	GCS Carthage
4222	GCS Cape
4221	GCS Campo Inchauspe
4220	GCS Camacupa
4219	GCS Bukit Rimpah
4218	GCS Bogota
4217	GCS Bern 1898
4216	GCS Bermuda 1957
4215	GCS Belge 1950

4214	GCS Beijing 1954
4213	GCS Beduaram
4212	GCS Barbados 1938
4211	GCS Batavia
4210	GCS Arc 1960
4209	GCS Arc 1950
4208	GCS Aratu
4207	GCS Lisbon
4206	GCS Agadez
4205	GCS Afigooye
4204	GCS Ain el Abd 1970
4203	GCS Australian 1984
4202	GCS Australian 1966
4201	GCS Adindan
4200	GCS Pulkovo 1995
4139	GCS Puerto Rico
4138	GCS St George Island
4137	GCS St Paul Island
4136	GCS St Lawrence Island
4135	GCS Old Hawaiian
4134	GCS PDO 1993
4133	GCS Estonia 1992
4132	GCS FD 1958
4131	GCS Indian 1960
4130	GCS Moznet
4129	GCS Observatorio
4128	GCS Madzansua
4127	GCS Tete
4126	GCS LKS 1994
4125	GCS Samboja
4124	GCS RT 1990
4123	GCS KKJ
4122	GCS ATS 1977
4121	GCS GGRS 1987
4120	GCS Greek

4036	GCS GRS 1967
4035	GCS Sphere
4034	GCS Clarke 1880
4033	GCS OSU 91A
4032	GCS OSU 86F
4031	GCS GEM 10C
4029	GCS War Office
4028	GCS Struve 1860
4027	GCS Plessis 1817
4025	GCS NWL 9D
4024	GCS Krasovsky 1940
4023	GCS International 1967
4022	GCS International 1924
4021	GCS Indonesian
4020	GCS Helmert 1906
4019	GCS GRS 1980
4018	GCS Everest Modified
4017	GCS Everest def 1975
4016	GCS Everest def 1967
4015	GCS Everest 1830
4014	GCS Clarke 1880 SGA
4013	GCS Clarke 1880 Arc
4012	GCS Clarke 1880 RGS
4011	GCS Clarke 1880 IGN
4010	GCS Clarke 1880 Benoit
4009	GCS Clarke 1866 Michigan
4008	GCS Clarke 1866
4007	GCS Clarke 1858
4006	GCS Bessel Namibia
4005	GCS Bessel Modified
4004	GCS Bessel 1841
4003	GCS Australian
4002	GCS Airy Modified
4001	GCS Airy 1830

**IV. IDs and associated Projected Coordinate System listed numerically**

<b>ID</b>	<b>Projected Coordinate Systems</b>
65161	NAD 1983 StatePlane Guam FIPS 5400
65061	NAD 1927 StatePlane Guam FIPS 5400
54032	World Azimuthal Equidistant
54031	World Two Point Equidistant
54030	World Robinson
54029	World Van der Grinten I
54028	World Cassini
54027	World Equidistant Conic
54026	World Stereographic
54025	World Hotine
54024	World Bonne
54023	World Loximuthal
54022	World Quartic Authalic
54021	World Polyconic
54019	World Winkel II
54018	World Winkel I
54017	World Behrmann
54016	World Gall Stereographic
54015	World Eckert I
54014	World Eckert II
54013	World Eckert III
54012	World Eckert IV
54011	World Eckert V
54010	World Eckert VI
54009	World Mollweide
54008	World Sinusoidal
54004	World Mercator
54003	World Miller Cylindrical
54002	World Equidistant Cylindrical
54001	World Plate Carree
53032	Sphere Azimuthal Equidistant
53031	Sphere Two Point Equidistant
53030	Sphere Robinson
53029	Sphere Van der Grinten I
53028	Sphere Cassini
53027	Sphere Equidistant Conic
53026	Sphere Stereographic
53024	Sphere Bonne
53023	Sphere Loximuthal
53022	Sphere Quartic Authalic
53021	Sphere Polyconic
53019	Sphere Winkel II
53018	Sphere Winkel I
53017	Sphere Behrmann
53016	Sphere Gall Stereographic
53015	Sphere Eckert I
53014	Sphere Eckert II

53013	Sphere Eckert III
53012	Sphere Eckert IV
53011	Sphere Eckert V
53010	Sphere Eckert VI
53009	Sphere Mollweide
53008	Sphere Sinusoidal
53004	Sphere Mercator
53003	Sphere Miller Cylindrical
53002	Sphere Equidistant Cylindrical
53001	Sphere Plate Carree
32766	WGS 1984 TM 36 SE
32761	UPS South
32760	WGS 1984 UTM Zone 60S
32759	WGS 1984 UTM Zone 59S
32758	WGS 1984 UTM Zone 58S
32757	WGS 1984 UTM Zone 57S
32756	WGS 1984 UTM Zone 56S
32755	WGS 1984 UTM Zone 55S
32754	WGS 1984 UTM Zone 54S
32753	WGS 1984 UTM Zone 53S
32752	WGS 1984 UTM Zone 52S
32751	WGS 1984 UTM Zone 51S
32750	WGS 1984 UTM Zone 50S
32749	WGS 1984 UTM Zone 49S
32748	WGS 1984 UTM Zone 48S
32747	WGS 1984 UTM Zone 47S
32746	WGS 1984 UTM Zone 46S
32745	WGS 1984 UTM Zone 45S
32744	WGS 1984 UTM Zone 44S
32743	WGS 1984 UTM Zone 43S
32742	WGS 1984 UTM Zone 42S
32741	WGS 1984 UTM Zone 41S
32740	WGS 1984 UTM Zone 40S
32739	WGS 1984 UTM Zone 39S
32738	WGS 1984 UTM Zone 38S
32737	WGS 1984 UTM Zone 37S
32736	WGS 1984 UTM Zone 36S
32735	WGS 1984 UTM Zone 35S
32734	WGS 1984 UTM Zone 34S
32733	WGS 1984 UTM Zone 33S
32732	WGS 1984 UTM Zone 32S
32731	WGS 1984 UTM Zone 31S
32730	WGS 1984 UTM Zone 30S
32729	WGS 1984 UTM Zone 29S
32728	WGS 1984 UTM Zone 28S
32727	WGS 1984 UTM Zone 27S
32726	WGS 1984 UTM Zone 26S

32725	WGS 1984 UTM Zone 25S
32724	WGS 1984 UTM Zone 24S
32723	WGS 1984 UTM Zone 23S
32722	WGS 1984 UTM Zone 22S
32721	WGS 1984 UTM Zone 21S
32720	WGS 1984 UTM Zone 20S
32719	WGS 1984 UTM Zone 19S
32718	WGS 1984 UTM Zone 18S
32717	WGS 1984 UTM Zone 17S
32716	WGS 1984 UTM Zone 16S
32715	WGS 1984 UTM Zone 15S
32714	WGS 1984 UTM Zone 14S
32713	WGS 1984 UTM Zone 13S
32712	WGS 1984 UTM Zone 12S
32711	WGS 1984 UTM Zone 11S
32710	WGS 1984 UTM Zone 10S
32709	WGS 1984 UTM Zone 9S
32708	WGS 1984 UTM Zone 8S
32707	WGS 1984 UTM Zone 7S
32706	WGS 1984 UTM Zone 6S
32705	WGS 1984 UTM Zone 5S
32704	WGS 1984 UTM Zone 4S
32703	WGS 1984 UTM Zone 3S
32702	WGS 1984 UTM Zone 2S
32701	WGS 1984 UTM Zone 1S
32661	UPS North
32660	WGS 1984 UTM Zone 60N
32659	WGS 1984 UTM Zone 59N
32658	WGS 1984 UTM Zone 58N
32657	WGS 1984 UTM Zone 57N
32656	WGS 1984 UTM Zone 56N
32655	WGS 1984 UTM Zone 55N
32654	WGS 1984 UTM Zone 54N
32653	WGS 1984 UTM Zone 53N
32652	WGS 1984 UTM Zone 52N
32651	WGS 1984 UTM Zone 51N
32650	WGS 1984 UTM Zone 50N
32649	WGS 1984 UTM Zone 49N
32648	WGS 1984 UTM Zone 48N
32647	WGS 1984 UTM Zone 47N
32646	WGS 1984 UTM Zone 46N
32645	WGS 1984 UTM Zone 45N
32644	WGS 1984 UTM Zone 44N
32643	WGS 1984 UTM Zone 43N
32642	WGS 1984 UTM Zone 42N
32641	WGS 1984 UTM Zone 41N
32640	WGS 1984 UTM Zone 40N
32639	WGS 1984 UTM Zone 39N
32638	WGS 1984 UTM Zone 38N
32637	WGS 1984 UTM Zone 37N
32636	WGS 1984 UTM Zone 36N
32635	WGS 1984 UTM Zone 35N

32634	WGS 1984 UTM Zone 34N
32633	WGS 1984 UTM Zone 33N
32632	WGS 1984 UTM Zone 32N
32631	WGS 1984 UTM Zone 31N
32630	WGS 1984 UTM Zone 30N
32629	WGS 1984 UTM Zone 29N
32628	WGS 1984 UTM Zone 28N
32627	WGS 1984 UTM Zone 27N
32626	WGS 1984 UTM Zone 26N
32625	WGS 1984 UTM Zone 25N
32624	WGS 1984 UTM Zone 24N
32623	WGS 1984 UTM Zone 23N
32622	WGS 1984 UTM Zone 22N
32621	WGS 1984 UTM Zone 21N
32620	WGS 1984 UTM Zone 20N
32619	WGS 1984 UTM Zone 19N
32618	WGS 1984 UTM Zone 18N
32617	WGS 1984 UTM Zone 17N
32616	WGS 1984 UTM Zone 16N
32615	WGS 1984 UTM Zone 15N
32614	WGS 1984 UTM Zone 14N
32613	WGS 1984 UTM Zone 13N
32612	WGS 1984 UTM Zone 12N
32611	WGS 1984 UTM Zone 11N
32610	WGS 1984 UTM Zone 10N
32609	WGS 1984 UTM Zone 9N
32608	WGS 1984 UTM Zone 8N
32607	WGS 1984 UTM Zone 7N
32606	WGS 1984 UTM Zone 6N
32605	WGS 1984 UTM Zone 5N
32604	WGS 1984 UTM Zone 4N
32603	WGS 1984 UTM Zone 3N
32602	WGS 1984 UTM Zone 2N
32601	WGS 1984 UTM Zone 1N
32360	WGS 1972 UTM Zone 60S
32359	WGS 1972 UTM Zone 59S
32358	WGS 1972 UTM Zone 58S
32357	WGS 1972 UTM Zone 57S
32356	WGS 1972 UTM Zone 56S
32355	WGS 1972 UTM Zone 55S
32354	WGS 1972 UTM Zone 54S
32353	WGS 1972 UTM Zone 53S
32352	WGS 1972 UTM Zone 52S
32351	WGS 1972 UTM Zone 51S
32350	WGS 1972 UTM Zone 50S
32349	WGS 1972 UTM Zone 49S
32348	WGS 1972 UTM Zone 48S
32347	WGS 1972 UTM Zone 47S
32346	WGS 1972 UTM Zone 46S
32345	WGS 1972 UTM Zone 45S
32344	WGS 1972 UTM Zone 44S
32343	WGS 1972 UTM Zone 43S

32342	WGS 1972 UTM Zone 42S
32341	WGS 1972 UTM Zone 41S
32340	WGS 1972 UTM Zone 40S
32339	WGS 1972 UTM Zone 39S
32338	WGS 1972 UTM Zone 38S
32337	WGS 1972 UTM Zone 37S
32336	WGS 1972 UTM Zone 36S
32335	WGS 1972 UTM Zone 35S
32334	WGS 1972 UTM Zone 34S
32333	WGS 1972 UTM Zone 33S
32332	WGS 1972 UTM Zone 32S
32331	WGS 1972 UTM Zone 31S
32330	WGS 1972 UTM Zone 30S
32329	WGS 1972 UTM Zone 29S
32328	WGS 1972 UTM Zone 28S
32327	WGS 1972 UTM Zone 27S
32326	WGS 1972 UTM Zone 26S
32325	WGS 1972 UTM Zone 25S
32324	WGS 1972 UTM Zone 24S
32323	WGS 1972 UTM Zone 23S
32322	WGS 1972 UTM Zone 22S
32321	WGS 1972 UTM Zone 21S
32320	WGS 1972 UTM Zone 20S
32319	WGS 1972 UTM Zone 19S
32318	WGS 1972 UTM Zone 18S
32317	WGS 1972 UTM Zone 17S
32316	WGS 1972 UTM Zone 16S
32315	WGS 1972 UTM Zone 15S
32314	WGS 1972 UTM Zone 14S
32313	WGS 1972 UTM Zone 13S
32312	WGS 1972 UTM Zone 12S
32311	WGS 1972 UTM Zone 11S
32310	WGS 1972 UTM Zone 10S
32309	WGS 1972 UTM Zone 9S
32308	WGS 1972 UTM Zone 8S
32307	WGS 1972 UTM Zone 7S
32306	WGS 1972 UTM Zone 6S
32305	WGS 1972 UTM Zone 5S
32304	WGS 1972 UTM Zone 4S
32303	WGS 1972 UTM Zone 3S
32302	WGS 1972 UTM Zone 2S
32301	WGS 1972 UTM Zone 1S
32260	WGS 1972 UTM Zone 60N
32259	WGS 1972 UTM Zone 59N
32258	WGS 1972 UTM Zone 58N
32257	WGS 1972 UTM Zone 57N
32256	WGS 1972 UTM Zone 56N
32255	WGS 1972 UTM Zone 55N
32254	WGS 1972 UTM Zone 54N
32253	WGS 1972 UTM Zone 53N
32252	WGS 1972 UTM Zone 52N
32251	WGS 1972 UTM Zone 51N

32250	WGS 1972 UTM Zone 50N
32249	WGS 1972 UTM Zone 49N
32248	WGS 1972 UTM Zone 48N
32247	WGS 1972 UTM Zone 47N
32246	WGS 1972 UTM Zone 46N
32245	WGS 1972 UTM Zone 45N
32244	WGS 1972 UTM Zone 44N
32243	WGS 1972 UTM Zone 43N
32242	WGS 1972 UTM Zone 42N
32241	WGS 1972 UTM Zone 41N
32240	WGS 1972 UTM Zone 40N
32239	WGS 1972 UTM Zone 39N
32238	WGS 1972 UTM Zone 38N
32237	WGS 1972 UTM Zone 37N
32236	WGS 1972 UTM Zone 36N
32235	WGS 1972 UTM Zone 35N
32234	WGS 1972 UTM Zone 34N
32233	WGS 1972 UTM Zone 33N
32232	WGS 1972 UTM Zone 32N
32231	WGS 1972 UTM Zone 31N
32230	WGS 1972 UTM Zone 30N
32229	WGS 1972 UTM Zone 29N
32228	WGS 1972 UTM Zone 28N
32227	WGS 1972 UTM Zone 27N
32226	WGS 1972 UTM Zone 26N
32225	WGS 1972 UTM Zone 25N
32224	WGS 1972 UTM Zone 24N
32223	WGS 1972 UTM Zone 23N
32222	WGS 1972 UTM Zone 22N
32221	WGS 1972 UTM Zone 21N
32220	WGS 1972 UTM Zone 20N
32219	WGS 1972 UTM Zone 19N
32218	WGS 1972 UTM Zone 18N
32217	WGS 1972 UTM Zone 17N
32216	WGS 1972 UTM Zone 16N
32215	WGS 1972 UTM Zone 15N
32214	WGS 1972 UTM Zone 14N
32213	WGS 1972 UTM Zone 13N
32212	WGS 1972 UTM Zone 12N
32211	WGS 1972 UTM Zone 11N
32210	WGS 1972 UTM Zone 10N
32209	WGS 1972 UTM Zone 9N
32208	WGS 1972 UTM Zone 8N
32207	WGS 1972 UTM Zone 7N
32206	WGS 1972 UTM Zone 6N
32205	WGS 1972 UTM Zone 5N
32204	WGS 1972 UTM Zone 4N
32203	WGS 1972 UTM Zone 3N
32202	WGS 1972 UTM Zone 2N
32201	WGS 1972 UTM Zone 1N
32197	NAD 1983 MTM 17
32196	NAD 1983 MTM 16

32195	NAD 1983 MTM 15
32194	NAD 1983 MTM 14
32193	NAD 1983 MTM 13
32192	NAD 1983 MTM 12
32191	NAD 1983 MTM 11
32190	NAD 1983 MTM 10
32189	NAD 1983 MTM 9
32188	NAD 1983 MTM 8
32187	NAD 1983 MTM 7
32186	NAD 1983 MTM 6
32185	NAD 1983 MTM 5
32184	NAD 1983 MTM 4
32183	NAD 1983 MTM 3
32182	NAD 1983 MTM 2
32181	NAD 1983 MTM 1
32180	NAD 1983 MTM 2 SCoPQ
32161	NAD 1983 StatePlane Puerto Rico Virgin Islands FIPS 5200
32158	NAD 1983 StatePlane Wyoming West FIPS 4904
32157	NAD 1983 StatePlane Wyoming West Central FIPS 4903
32156	NAD 1983 StatePlane Wyoming East Central FIPS 4902
32155	NAD 1983 StatePlane Wyoming East FIPS 4901
32154	NAD 1983 StatePlane Wisconsin South FIPS 4803
32153	NAD 1983 StatePlane Wisconsin Central FIPS 4802
32152	NAD 1983 StatePlane Wisconsin North FIPS 4801
32151	NAD 1983 StatePlane West Virginia South FIPS 4702
32150	NAD 1983 StatePlane West Virginia North FIPS 4701
32149	NAD 1983 StatePlane Washington South FIPS 4602
32148	NAD 1983 StatePlane Washington North FIPS 4601
32147	NAD 1983 StatePlane Virginia South FIPS 4502
32146	NAD 1983 StatePlane Virginia North FIPS 4501
32145	NAD 1983 StatePlane Vermont FIPS 4400
32144	NAD 1983 StatePlane Utah South FIPS 4303
32143	NAD 1983 StatePlane Utah Central FIPS 4302
32142	NAD 1983 StatePlane Utah North FIPS 4301
32141	NAD 1983 StatePlane Texas South FIPS 4205
32140	NAD 1983 StatePlane Texas South Central FIPS 4204
32139	NAD 1983 StatePlane Texas Central FIPS 4203
32138	NAD 1983 StatePlane Texas North Central FIPS 4202
32137	NAD 1983 StatePlane Texas North FIPS 4201
32136	NAD 1983 StatePlane Tennessee FIPS 4100
32135	NAD 1983 StatePlane South Dakota South FIPS 4002
32134	NAD 1983 StatePlane South Dakota North FIPS 4001
32133	NAD 1983 StatePlane South Carolina FIPS 3900
32130	NAD 1983 StatePlane Rhode Island FIPS 3800

32129	NAD 1983 StatePlane Pennsylvania South FIPS 3702
32128	NAD 1983 StatePlane Pennsylvania North FIPS 3701
32127	NAD 1983 StatePlane Oregon South FIPS 3602
32126	NAD 1983 StatePlane Oregon North FIPS 3601
32125	NAD 1983 StatePlane Oklahoma South FIPS 3502
32124	NAD 1983 StatePlane Oklahoma North FIPS 3501
32123	NAD 1983 StatePlane Ohio South FIPS 3402
32122	NAD 1983 StatePlane Ohio North FIPS 3401
32121	NAD 1983 StatePlane North Dakota South FIPS 3302
32120	NAD 1983 StatePlane North Dakota North FIPS 3301
32119	NAD 1983 StatePlane North Carolina FIPS 3200
32118	NAD 1983 StatePlane New York Long Island FIPS 3104
32117	NAD 1983 StatePlane New York West FIPS 3103
32116	NAD 1983 StatePlane New York Central FIPS 3102
32115	NAD 1983 StatePlane New York East FIPS 3101
32114	NAD 1983 StatePlane New Mexico West FIPS 3003
32113	NAD 1983 StatePlane New Mexico Central FIPS 3002
32112	NAD 1983 StatePlane New Mexico East FIPS 3001
32111	NAD 1983 StatePlane New Jersey FIPS 2900
32110	NAD 1983 StatePlane New Hampshire FIPS 2800
32109	NAD 1983 StatePlane Nevada West FIPS 2703
32108	NAD 1983 StatePlane Nevada Central FIPS 2702
32107	NAD 1983 StatePlane Nevada East FIPS 2701
32104	NAD 1983 StatePlane Nebraska FIPS 2600
32100	NAD 1983 StatePlane Montana FIPS 2500
32086	NAD 1927 MTM 6
32085	NAD 1927 MTM 5
32084	NAD 1927 MTM 4
32083	NAD 1927 MTM 3
32082	NAD 1927 MTM 2
32081	NAD 1927 MTM 1
32077	NAD 1927 BLM Zone 17N
32076	NAD 1927 BLM Zone 16N
32075	NAD 1927 BLM Zone 15N
32074	NAD 1927 BLM Zone 14N
32060	NAD 1927 StatePlane Virgin Islands St Croix FIPS 5202
32059	NAD 1927 StatePlane Puerto Rico FIPS 5201
32058	NAD 1927 StatePlane Wyoming West FIPS 4904
32057	NAD 1927 StatePlane Wyoming West Central FIPS 4903
32056	NAD 1927 StatePlane Wyoming East Central FIPS 4902
32055	NAD 1927 StatePlane Wyoming East FIPS 4901
32054	NAD 1927 StatePlane Wisconsin South FIPS 4803

32053	NAD 1927 StatePlane Wisconsin Central FIPS 4802
32052	NAD 1927 StatePlane Wisconsin North FIPS 4801
32051	NAD 1927 StatePlane West Virginia South FIPS 4702
32050	NAD 1927 StatePlane West Virginia North FIPS 4701
32049	NAD 1927 StatePlane Washington South FIPS 4602
32048	NAD 1927 StatePlane Washington North FIPS 4601
32047	NAD 1927 StatePlane Virginia South FIPS 4502
32046	NAD 1927 StatePlane Virginia North FIPS 4501
32045	NAD 1927 StatePlane Vermont FIPS 3400
32044	NAD 1927 StatePlane Utah South FIPS 4303
32043	NAD 1927 StatePlane Utah Central FIPS 4302
32042	NAD 1927 StatePlane Utah North FIPS 4301
32041	NAD 1927 StatePlane Texas South FIPS 4205
32040	NAD 1927 StatePlane Texas South Central FIPS 4204
32039	NAD 1927 StatePlane Texas Central FIPS 4203
32038	NAD 1927 StatePlane Texas North Central FIPS 4202
32037	NAD 1927 StatePlane Texas North FIPS 4201
32036	NAD 1927 StatePlane Tennessee FIPS 4100
32035	NAD 1927 StatePlane South Dakota South FIPS 4002
32034	NAD 1927 StatePlane South Dakota North FIPS 4001
32033	NAD 1927 StatePlane South Carolina South FIPS 3902
32031	NAD 1927 StatePlane South Carolina North FIPS 3901
32030	NAD 1927 StatePlane Rhode Island FIPS 3800
32029	NAD 1927 StatePlane Pennsylvania South FIPS 3702
32028	NAD 1927 StatePlane Pennsylvania North FIPS 3701
32027	NAD 1927 StatePlane Oregon South FIPS 3602
32026	NAD 1927 StatePlane Oregon North FIPS 3601
32025	NAD 1927 StatePlane Oklahoma South FIPS 3502
32024	NAD 1927 StatePlane Oklahoma North FIPS 3501
32023	NAD 1927 StatePlane Ohio South FIPS 3402
32022	NAD 1927 StatePlane Ohio North FIPS 3401
32021	NAD 1927 StatePlane North Dakota South FIPS 3302
32020	NAD 1927 StatePlane North Dakota North FIPS 3301
32019	NAD 1927 StatePlane North Carolina FIPS 3200
32018	NAD 1927 StatePlane New York Long Island FIPS 3104
32017	NAD 1927 StatePlane New York West FIPS 3103
32016	NAD 1927 StatePlane New York Central FIPS 3102
32015	NAD 1927 StatePlane New York East FIPS 3101
32014	NAD 1927 StatePlane New Mexico West FIPS 3003
32013	NAD 1927 StatePlane New Mexico Central FIPS 3002

32012	NAD 1927 StatePlane New Mexico East FIPS 3001
32011	NAD 1927 StatePlane New Jersey FIPS 2900
32010	NAD 1927 StatePlane New Hampshire FIPS 2800
32009	NAD 1927 StatePlane Nevada West FIPS 2703
32008	NAD 1927 StatePlane Nevada Central FIPS 2702
32007	NAD 1927 StatePlane Nevada East FIPS 2701
32006	NAD 1927 StatePlane Nebraska South FIPS 2602
32005	NAD 1927 StatePlane Nebraska North FIPS 2601
32003	NAD 1927 StatePlane Montana South FIPS 2503
32002	NAD 1927 StatePlane Montana Central FIPS 2502
32001	NAD 1927 StatePlane Montana North FIPS 2501
31900	KUDAMS KTM
31839	NGN UTM Zone 39N
31838	NGN UTM Zone 38N
31700	Stereo 70
31600	Stereo 33
31495	Germany Zone 5
31494	Germany Zone 4
31493	Germany Zone 3
31492	Germany Zone 2
31491	Germany Zone 1
31293	Austria East Zone
31292	Austria Central Zone
31291	Austria West Zone
31121	Zanderij 1972 UTM Zone 21N
31028	Yoff 1972 UTM Zone 28N
30800	Swedish National Grid
30732	Nord Sahara 1959 UTM Zone 32N
30731	Nord Sahara 1959 UTM Zone 31N
30730	Nord Sahara 1959 UTM Zone 30N
30729	Nord Sahara 1959 UTM Zone 29N
30592	Sud Algerie
30591	Nord Algerie
30492	Sud Algerie Ancienne
30491	Nord Algerie Ancienne
30340	TC 1948 UTM Zone 40N
30339	TC 1948 UTM Zone 39N
30179	Japan Zone 19
30178	Japan Zone 18
30177	Japan Zone 17
30176	Japan Zone 16
30175	Japan Zone 15
30174	Japan Zone 14
30173	Japan Zone 13
30172	Japan Zone 12
30171	Japan Zone 11
30170	Japan Zone 10
30169	Japan Zone 9

30168	Japan Zone 8
30167	Japan Zone 7
30166	Japan Zone 6
30165	Japan Zone 5
30164	Japan Zone 4
30163	Japan Zone 3
30162	Japan Zone 2
30161	Japan Zone 1
29900	Irish National Grid
29850	Timbalai 1948 UTM Zone 50N
29849	Timbalai 1948 UTM Zone 49N
29739	Tananarive 1925 UTM Zone 39S
29738	Tananarive 1925 UTM Zone 38S
29636	Sudan UTM Zone 36N
29635	Sudan UTM Zone 35N
29333	Schwarzeck UTM Zone 33S
29221	Sapper Hill 1943 UTM Zone 21S
29220	Sapper Hill 1943 UTM Zone 20S
29185	SAD 1969 UTM Zone 25S
29184	SAD 1969 UTM Zone 24S
29183	SAD 1969 UTM Zone 23S
29182	SAD 1969 UTM Zone 22S
29181	SAD 1969 UTM Zone 21S
29180	SAD 1969 UTM Zone 20S
29179	SAD 1969 UTM Zone 19S
29178	SAD 1969 UTM Zone 18S
29177	SAD 1969 UTM Zone 17S
29122	SAD 1969 UTM Zone 22N
29121	SAD 1969 UTM Zone 21N
29120	SAD 1969 UTM Zone 20N
29119	SAD 1969 UTM Zone 19N
29118	SAD 1969 UTM Zone 18N
29100	SAD 1969 Brazil Polyconic
28992	RD New
28991	RD Old
28600	Qatar National Grid
28492	Pulkovo 1942 GK Zone 32N
28491	Pulkovo 1942 GK Zone 31N
28490	Pulkovo 1942 GK Zone 30N
28489	Pulkovo 1942 GK Zone 29N
28488	Pulkovo 1942 GK Zone 28N
28487	Pulkovo 1942 GK Zone 27N
28486	Pulkovo 1942 GK Zone 26N
28485	Pulkovo 1942 GK Zone 25N
28484	Pulkovo 1942 GK Zone 24N
28483	Pulkovo 1942 GK Zone 23N
28482	Pulkovo 1942 GK Zone 22N
28481	Pulkovo 1942 GK Zone 21N
28480	Pulkovo 1942 GK Zone 20N
28479	Pulkovo 1942 GK Zone 19N
28478	Pulkovo 1942 GK Zone 18N
28477	Pulkovo 1942 GK Zone 17N

28476	Pulkovo 1942 GK Zone 16N
28475	Pulkovo 1942 GK Zone 15N
28474	Pulkovo 1942 GK Zone 14N
28473	Pulkovo 1942 GK Zone 13N
28472	Pulkovo 1942 GK Zone 12N
28471	Pulkovo 1942 GK Zone 11N
28470	Pulkovo 1942 GK Zone 10N
28469	Pulkovo 1942 GK Zone 9N
28468	Pulkovo 1942 GK Zone 8N
28467	Pulkovo 1942 GK Zone 7N
28466	Pulkovo 1942 GK Zone 6N
28465	Pulkovo 1942 GK Zone 5N
28464	Pulkovo 1942 GK Zone 4N
28463	Pulkovo 1942 GK Zone 3N
28462	Pulkovo 1942 GK Zone 2N
28432	Pulkovo 1942 GK Zone 32
28431	Pulkovo 1942 GK Zone 31
28430	Pulkovo 1942 GK Zone 30
28429	Pulkovo 1942 GK Zone 29
28428	Pulkovo 1942 GK Zone 28
28427	Pulkovo 1942 GK Zone 27
28426	Pulkovo 1942 GK Zone 26
28425	Pulkovo 1942 GK Zone 25
28424	Pulkovo 1942 GK Zone 24
28423	Pulkovo 1942 GK Zone 23
28422	Pulkovo 1942 GK Zone 22
28421	Pulkovo 1942 GK Zone 21
28420	Pulkovo 1942 GK Zone 20
28419	Pulkovo 1942 GK Zone 19
28418	Pulkovo 1942 GK Zone 18
28417	Pulkovo 1942 GK Zone 17
28416	Pulkovo 1942 GK Zone 16
28415	Pulkovo 1942 GK Zone 15
28414	Pulkovo 1942 GK Zone 14
28413	Pulkovo 1942 GK Zone 13
28412	Pulkovo 1942 GK Zone 12
28411	Pulkovo 1942 GK Zone 11
28410	Pulkovo 1942 GK Zone 10
28409	Pulkovo 1942 GK Zone 9
28408	Pulkovo 1942 GK Zone 8
28407	Pulkovo 1942 GK Zone 7
28406	Pulkovo 1942 GK Zone 6
28405	Pulkovo 1942 GK Zone 5
28404	Pulkovo 1942 GK Zone 4
28403	Pulkovo 1942 GK Zone 3
28402	Pulkovo 1942 GK Zone 2
28358	GDA 1994 MGA Zone 58
28357	GDA 1994 MGA Zone 57
28356	GDA 1994 MGA Zone 56
28355	GDA 1994 MGA Zone 55
28354	GDA 1994 MGA Zone 54
28353	GDA 1994 MGA Zone 53

28352	GDA 1994 MGA Zone 52
28351	GDA 1994 MGA Zone 51
28350	GDA 1994 MGA Zone 50
28349	GDA 1994 MGA Zone 49
28348	GDA 1994 MGA Zone 48
28232	Pointe Noire UTM Zone 32S
28192	Palestine 1923 Palestine Belt
28191	Palestine 1923 Palestine Grid
27700	British National Grid
27594	Corse
27593	Sud France
27592	Centre France
27591	Nord France
27584	France IV
27583	France III
27582	France II
27581	France I
27500	Nord de Guerre
27429	Datum 73 UTM Zone 29N
27292	New Zealand South Island
27291	New Zealand North Island
27120	Naparima 1972 UTM Zone 20N
27040	Nahrwan 1967 UTM Zone 40N
27039	Nahrwan 1967 UTM Zone 39N
27038	Nahrwan 1967 UTM Zone 38N
26998	NAD 1983 StatePlane Missouri West FIPS 2403
26997	NAD 1983 StatePlane Missouri Central FIPS 2402
26996	NAD 1983 StatePlane Missouri East FIPS 2401
26995	NAD 1983 StatePlane Mississippi West FIPS 2302
26994	NAD 1983 StatePlane Mississippi East FIPS 2301
26993	NAD 1983 StatePlane Minnesota South FIPS 2203
26992	NAD 1983 StatePlane Minnesota Central FIPS 2202
26991	NAD 1983 StatePlane Minnesota North FIPS 2201
26990	NAD 1983 StatePlane Michigan South FIPS 2113
26989	NAD 1983 StatePlane Michigan Central FIPS 2202
26988	NAD 1983 StatePlane Michigan North FIPS 2111
26987	NAD 1983 StatePlane Massachusetts Island FIPS 2002
26986	NAD 1983 StatePlane Massachusetts Mainland FIPS 2001
26985	NAD 1983 StatePlane Maryland FIPS 1900
26984	NAD 1983 StatePlane Maine West FIPS 1802
26983	NAD 1983 StatePlane Maine East FIPS 1801
26982	NAD 1983 StatePlane Louisiana South FIPS 1702
26981	NAD 1983 StatePlane Louisiana North FIPS 1701
26980	NAD 1983 StatePlane Kentucky South FIPS 1602

26979	NAD 1983 StatePlane Kentucky North FIPS 1601
26978	NAD 1983 StatePlane Kansas South FIPS 1502
26977	NAD 1983 StatePlane Kansas North FIPS 1501
26976	NAD 1983 StatePlane Iowa South FIPS 1402
26975	NAD 1983 StatePlane Iowa North FIPS 1401
26974	NAD 1983 StatePlane Indiana West FIPS 1302
26973	NAD 1983 StatePlane Indiana East FIPS 1301
26972	NAD 1983 StatePlane Illinois West FIPS 1202
26971	NAD 1983 StatePlane Illinois East FIPS 1201
26970	NAD 1983 StatePlane Idaho West FIPS 1103
26969	NAD 1983 StatePlane Idaho Central FIPS 1102
26968	NAD 1983 StatePlane Idaho East FIPS 1101
26967	NAD 1983 StatePlane Georgia West FIPS 1002
26966	NAD 1983 StatePlane Georgia East FIPS 1001
26965	NAD 1983 StatePlane Hawaii 5 FIPS 5105
26964	NAD 1983 StatePlane Hawaii 4 FIPS 5104
26963	NAD 1983 StatePlane Hawaii 3 FIPS 5103
26962	NAD 1983 StatePlane Hawaii 2 FIPS 5102
26961	NAD 1983 StatePlane Hawaii 1 FIPS 5101
26960	NAD 1983 StatePlane Florida North FIPS 0903
26959	NAD 1983 StatePlane Florida West FIPS 0902
26958	NAD 1983 StatePlane Florida East FIPS 0901
26957	NAD 1983 StatePlane Delaware FIPS 0700
26956	NAD 1983 StatePlane Connecticut FIPS 0600
26955	NAD 1983 StatePlane Colorado South FIPS 0503
26954	NAD 1983 StatePlane Colorado Central FIPS 0502
26953	NAD 1983 StatePlane Colorado North FIPS 0501
26952	NAD 1983 StatePlane Arkansas South FIPS 0302
26951	NAD 1983 StatePlane Arkansas North FIPS 0301
26950	NAD 1983 StatePlane Arizona West FIPS 0203
26949	NAD 1983 StatePlane Arizona Central FIPS 0202
26948	NAD 1983 StatePlane Arizona East FIPS 0201
26946	NAD 1983 StatePlane California VI FIPS 0406
26945	NAD 1983 StatePlane California V FIPS 0405
26944	NAD 1983 StatePlane California IV FIPS 0404
26943	NAD 1983 StatePlane California III FIPS 0403
26942	NAD 1983 StatePlane California II FIPS 0402
26941	NAD 1983 StatePlane California I FIPS 0401
26940	NAD 1983 StatePlane Alaska 10 FIPS 5010
26939	NAD 1983 StatePlane Alaska 9 FIPS 5009
26938	NAD 1983 StatePlane Alaska 8 FIPS 5008
26937	NAD 1983 StatePlane Alaska 7 FIPS 5007
26936	NAD 1983 StatePlane Alaska 6 FIPS 5006
26935	NAD 1983 StatePlane Alaska 5 FIPS 5005
26934	NAD 1983 StatePlane Alaska 4 FIPS 5004
26933	NAD 1983 StatePlane Alaska 3 FIPS 5003
26932	NAD 1983 StatePlane Alaska 2 FIPS 5002
26931	NAD 1983 StatePlane Alaska 1 FIPS 5001

26930	NAD 1983 StatePlane Alabama West FIPS 0102
26929	NAD 1983 StatePlane Alabama East FIPS 0101
26923	NAD 1983 UTM Zone 23N
26922	NAD 1983 UTM Zone 22N
26921	NAD 1983 UTM Zone 21N
26920	NAD 1983 UTM Zone 20N
26919	NAD 1983 UTM Zone 19N
26918	NAD 1983 UTM Zone 18N
26917	NAD 1983 UTM Zone 17N
26916	NAD 1983 UTM Zone 16N
26915	NAD 1983 UTM Zone 15N
26914	NAD 1983 UTM Zone 14N
26913	NAD 1983 UTM Zone 13N
26912	NAD 1983 UTM Zone 12N
26911	NAD 1983 UTM Zone 11N
26910	NAD 1983 UTM Zone 10N
26909	NAD 1983 UTM Zone 9N
26908	NAD 1983 UTM Zone 8N
26907	NAD 1983 UTM Zone 7N
26906	NAD 1983 UTM Zone 6N
26905	NAD 1983 UTM Zone 5N
26904	NAD 1983 UTM Zone 4N
26903	NAD 1983 UTM Zone 3N
26813	NAD Michigan StatePlane Michigan South FIPS 2113
26812	NAD Michigan StatePlane Michigan Central FIPS 2112
26811	NAD Michigan StatePlane Michigan North FIPS 2111
26803	NAD Michigan StatePlane Michigan West Old FIPS 2103
26802	NAD Michigan StatePlane Michigan Central Old FIPS 2102
26801	NAD Michigan StatePlane Michigan East Old FIPS 2101
26798	NAD 1927 StatePlane Missouri West FIPS 2403
26797	NAD 1927 StatePlane Missouri Central FIPS 2402
26796	NAD 1927 StatePlane Missouri East FIPS 2401
26795	NAD 1927 StatePlane Mississippi West FIPS 2302
26794	NAD 1927 StatePlane Mississippi East FIPS 2301
26793	NAD 1927 StatePlane Minnesota South FIPS 2203
26792	NAD 1927 StatePlane Minnesota Central FIPS 2202
26791	NAD 1927 StatePlane Minnesota North FIPS 2201
26790	NAD 1927 StatePlane Michigan South FIPS 2113
26789	NAD 1927 StatePlane Michigan Central FIPS 2112
26788	NAD 1927 StatePlane Michigan North FIPS 2111
26787	NAD 1927 StatePlane Massachusetts Island FIPS 2002
26786	NAD 1927 StatePlane Massachusetts Mainland FIPS 2001
26785	NAD 1927 StatePlane Maryland FIPS 1900

26784	NAD 1927 StatePlane Maine West FIPS 1802
26783	NAD 1927 StatePlane Maine East FIPS 1801
26782	NAD 1927 StatePlane Louisiana South FIPS 1702
26781	NAD 1927 StatePlane Louisiana North FIPS 1701
26780	NAD 1927 StatePlane Kentucky South FIPS 1602
26779	NAD 1927 StatePlane Kentucky North FIPS 1601
26778	NAD 1927 StatePlane Kansas South FIPS 1502
26777	NAD 1927 StatePlane Kansas North FIPS 1501
26776	NAD 1927 StatePlane Iowa South FIPS 1402
26775	NAD 1927 StatePlane Iowa North FIPS 1401
26774	NAD 1927 StatePlane Indiana West FIPS 1302
26773	NAD 1927 StatePlane Indiana East FIPS 1301
26772	NAD 1927 StatePlane Illinois West FIPS 1202
26771	NAD 1927 StatePlane Illinois East FIPS 1201
26770	NAD 1927 StatePlane Idaho West FIPS 1103
26769	NAD 1927 StatePlane Idaho Central FIPS 1102
26768	NAD 1927 StatePlane Idaho East FIPS 1101
26767	NAD 1927 StatePlane Georgia West FIPS 1002
26766	NAD 1927 StatePlane Georgia East FIPS 1001
26765	NAD 1927 StatePlane Hawaii 5 FIPS 5105
26764	NAD 1927 StatePlane Hawaii 4 FIPS 5104
26763	NAD 1927 StatePlane Hawaii 3 FIPS 5103
26762	NAD 1927 StatePlane Hawaii 2 FIPS 5102
26761	NAD 1927 StatePlane Hawaii 1 FIPS 5101
26760	NAD 1927 StatePlane Florida North FIPS 0903
26759	NAD 1927 StatePlane Florida West FIPS 0902
26758	NAD 1927 StatePlane Florida East FIPS 0901
26757	NAD 1927 StatePlane Delaware FIPS 0700
26756	NAD 1927 StatePlane Connecticut FIPS 0600
26755	NAD 1927 StatePlane Colorado South FIPS 0503
26754	NAD 1927 StatePlane Colorado Central FIPS 0502
26753	NAD 1927 StatePlane Colorado North FIPS 0501
26752	NAD 1927 StatePlane Arkansas South FIPS 0302
26751	NAD 1927 StatePlane Arkansas North FIPS 0301
26750	NAD 1927 StatePlane Arizona West FIPS 0203
26749	NAD 1927 StatePlane Arizona Central FIPS 0202
26748	NAD 1927 StatePlane Arizona East FIPS 0201
26747	NAD 1927 StatePlane California VII FIPS 0407
26746	NAD 1927 StatePlane California VI FIPS 0406
26745	NAD 1927 StatePlane California V FIPS 0405
26744	NAD 1927 StatePlane California IV FIPS 0404
26743	NAD 1927 StatePlane California III FIPS 0403
26742	NAD 1927 StatePlane California II FIPS 0402
26741	NAD 1927 StatePlane California I FIPS 0401
26740	NAD 1927 StatePlane Alaska 10 FIPS 5010
26739	NAD 1927 StatePlane Alaska 9 FIPS 5009
26738	NAD 1927 StatePlane Alaska 8 FIPS 5008

26737	NAD 1927 StatePlane Alaska 7 FIPS 5007
26736	NAD 1927 StatePlane Alaska 6 FIPS 5006
26735	NAD 1927 StatePlane Alaska 5 FIPS 5005
26734	NAD 1927 StatePlane Alaska 4 FIPS 5004
26733	NAD 1927 StatePlane Alaska 3 FIPS 5003
26732	NAD 1927 StatePlane Alaska 2 FIPS 5002
26731	NAD 1927 StatePlane Alaska 1 FIPS 5001
26730	NAD 1927 StatePlane Alabama West FIPS 0102
26729	NAD 1927 StatePlane Alabama East FIPS 0101
26722	NAD 1927 UTM Zone 22N
26721	NAD 1927 UTM Zone 21N
26720	NAD 1927 UTM Zone 20N
26719	NAD 1927 UTM Zone 19N
26718	NAD 1927 UTM Zone 18N
26717	NAD 1927 UTM Zone 17N
26716	NAD 1927 UTM Zone 16N
26715	NAD 1927 UTM Zone 15N
26714	NAD 1927 UTM Zone 14N
26713	NAD 1927 UTM Zone 13N
26712	NAD 1927 UTM Zone 12N
26711	NAD 1927 UTM Zone 11N
26710	NAD 1927 UTM Zone 10N
26709	NAD 1927 UTM Zone 9N
26708	NAD 1927 UTM Zone 8N
26707	NAD 1927 UTM Zone 7N
26706	NAD 1927 UTM Zone 6N
26705	NAD 1927 UTM Zone 5N
26704	NAD 1927 UTM Zone 4N
26703	NAD 1927 UTM Zone 3N
26692	Mporaloko UTM Zone 32S
26632	Mporaloko UTM Zone 32N
26592	Monte Mario Rome Italy 2
26591	Monte Mario Rome Italy 1
26432	Mhast UTM Zone 32S
26393	Nigeria East Belt
26392	Nigeria Mid Belt
26391	Nigeria West Belt
26332	Minna UTM Zone 32N
26331	Minna UTM Zone 31N
26237	Massawa UTM Zone 37N
26193	Sahara
26192	Sud Maroc
26191	Nord Maroc
25932	Malongo 1987 UTM Zone 32S
25884	ETRF 1989 TM Baltic 1993
25838	ETRF 1989 UTM Zone 38N
25837	ETRF 1989 UTM Zone 37N
25836	ETRF 1989 UTM Zone 36N
25835	ETRF 1989 UTM Zone 35N
25834	ETRF 1989 UTM Zone 34N
25833	ETRF 1989 UTM Zone 33N

25832	ETRF 1989 UTM Zone 32N
25831	ETRF 1989 UTM Zone 31N
25830	ETRF 1989 UTM Zone 30N
25829	ETRF 1989 UTM Zone 29N
25828	ETRF 1989 UTM Zone 28N
25395	Philippines Zone V
25394	Philippines Zone IV
25393	Philippines Zone III
25392	Philippines Zone II
25391	Philippines Zone I
25231	Lome UTM Zone 31N
25000	Ghana Metre Grid
24893	Peru East Zone
24892	Peru Central Zone
24891	Peru West Zone
24882	PSAD 1956 UTM Zone 22S
24881	PSAD 1956 UTM Zone 21S
24880	PSAD 1956 UTM Zone 20S
24879	PSAD 1956 UTM Zone 19S
24878	PSAD 1956 UTM Zone 18S
24877	PSAD 1956 UTM Zone 17S
24821	PSAD 1956 UTM Zone 21N
24820	PSAD 1956 UTM Zone 20N
24819	PSAD 1956 UTM Zone 19N
24818	PSAD 1956 UTM Zone 18N
24721	La Canoa UTM Zone 21N
24720	La Canoa UTM Zone 20N
24600	KOC Lambert
24548	Kertau UTM Zone 48N
24547	Kertau UTM Zone 47N
24500	Kertau Singapore Grid
24384	India Zone IVb
24383	India Zone IIIb
24382	India Zone IIb
24374	India Zone IVa
24373	India Zone IIIa
24372	India Zone IIa
24371	India Zone I
24370	India Zone 0
24200	Jamaica Grid
24100	Jamaica 1875 Old Grid
24048	Indian 1975 UTM Zone 48N
24047	Indian 1975 UTM Zone 47N
23948	Indian 1954 UTM Zone 48N
23947	Indian 1954 UTM Zone 47N
23894	Indonesian 1974 UTM Zone 54S
23893	Indonesian 1974 UTM Zone 53S
23892	Indonesian 1974 UTM Zone 52S
23891	Indonesian 1974 UTM Zone 51S
23890	Indonesian 1974 UTM Zone 50S
23889	Indonesian 1974 UTM Zone 49S
23888	Indonesian 1974 UTM Zone 48S

23887	Indonesian 1974 UTM Zone 47S
23886	Indonesian 1974 UTM Zone 46S
23853	Indonesian 1974 UTM Zone 53N
23852	Indonesian 1974 UTM Zone 52N
23851	Indonesian 1974 UTM Zone 51N
23850	Indonesian 1974 UTM Zone 50N
23849	Indonesian 1974 UTM Zone 49N
23848	Indonesian 1974 UTM Zone 48N
23847	Indonesian 1974 UTM Zone 47N
23846	Indonesian 1974 UTM Zone 46N
23433	Garoua UTM Zone 33N
23240	Fahud UTM Zone 40N
23239	Fahud UTM Zone 39N
23095	ED 1950 TM 5 NE
23090	ED 1950 TM 0 N
23038	ED 1950 UTM Zone 38N
23037	ED 1950 UTM Zone 37N
23036	ED 1950 UTM Zone 36N
23035	ED 1950 UTM Zone 35N
23034	ED 1950 UTM Zone 34N
23033	ED 1950 UTM Zone 33N
23032	ED 1950 UTM Zone 32N
23031	ED 1950 UTM Zone 31N
23030	ED 1950 UTM Zone 30N
23029	ED 1950 UTM Zone 29N
23028	ED 1950 UTM Zone 28N
22994	Egypt Extended Purple Belt
22993	Egypt Purple Belt
22992	Egypt Red Belt
22991	Egypt Blue Belt
22832	Douala UTM Zone 32N
22524	Corrego Alegre UTM Zone 24S
22523	Corrego Alegre UTM Zone 23S
22392	Sud Tunisie
22391	Nord Tunisie
22332	Carthage UTM Zone 32N
22197	Argentina Zone 7
22196	Argentina Zone 6
22195	Argentina Zone 5
22194	Argentina Zone 4
22193	Argentina Zone 3
22192	Argentina Zone 2
22191	Argentina Zone 1
22092	Camacupa TM 12 SE
22091	Camacupa TM 11 30 SE
22033	Camacupa UTM Zone 33S
22032	Camacupa UTM Zone 32S
21894	Colombia East Zone
21893	Colombia East Central Zone
21892	Colombia Bogota Zone
21891	Colombia West Zone
21818	Bogota UTM Zone 18N

21817	Bogota UTM Zone 17N
21500	Belge Lambert 1950
21483	Beijing 1954 GK Zone 23N
21482	Beijing 1954 GK Zone 22N
21481	Beijing 1954 GK Zone 21N
21480	Beijing 1954 GK Zone 20N
21479	Beijing 1954 GK Zone 19N
21478	Beijing 1954 GK Zone 18N
21477	Beijing 1954 GK Zone 17N
21476	Beijing 1954 GK Zone 16N
21475	Beijing 1954 GK Zone 15N
21474	Beijing 1954 GK Zone 14N
21473	Beijing 1954 GK Zone 13N
21423	Beijing 1954 GK Zone 23
21422	Beijing 1954 GK Zone 22
21421	Beijing 1954 GK Zone 21
21420	Beijing 1954 GK Zone 20
21419	Beijing 1954 GK Zone 19
21418	Beijing 1954 GK Zone 18
21417	Beijing 1954 GK Zone 17
21416	Beijing 1954 GK Zone 16
21415	Beijing 1954 GK Zone 15
21414	Beijing 1954 GK Zone 14
21413	Beijing 1954 GK Zone 13
21292	Barbados 1938 Barbados Grid
21291	Barbados 1938 British West Indies Grid
21150	Batavia UTM Zone 50S
21149	Batavia UTM Zone 49S
21148	Batavia UTM Zone 48S
20824	Aratu UTM Zone 24S
20823	Aratu UTM Zone 23S
20822	Aratu UTM Zone 22S
20790	Portuguese National Grid
20539	Afgooye UTM Zone 39N
20538	Afgooye UTM Zone 38N
20499	Bahrain State Grid
20439	Ain el Abd UTM Zone 39N
20438	Ain el Abd UTM Zone 38N
20437	Ain el Abd UTM Zone 37N
20358	AGD 1984 AMG Zone 58
20357	AGD 1984 AMG Zone 57
20356	AGD 1984 AMG Zone 56
20355	AGD 1984 AMG Zone 55
20354	AGD 1984 AMG Zone 54
20353	AGD 1984 AMG Zone 53
20352	AGD 1984 AMG Zone 52
20351	AGD 1984 AMG Zone 51
20350	AGD 1984 AMG Zone 50
20349	AGD 1984 AMG Zone 49
20348	AGD 1984 AMG Zone 48
20258	AGD 1966 AMG Zone 58
20257	AGD 1966 AMG Zone 57

20256	AGD 1966 AMG Zone 56
20255	AGD 1966 AMG Zone 55
20254	AGD 1966 AMG Zone 54
20253	AGD 1966 AMG Zone 53
20252	AGD 1966 AMG Zone 52
20251	AGD 1966 AMG Zone 51
20250	AGD 1966 AMG Zone 50
20249	AGD 1966 AMG Zone 49
20248	AGD 1966 AMG Zone 48
20138	Adindan UTM Zone 38N
20137	Adindan UTM Zone 37N
20092	Pulkovo 1995 GK Zone 32N
20091	Pulkovo 1995 GK Zone 31N
20090	Pulkovo 1995 GK Zone 30N
20089	Pulkovo 1995 GK Zone 29N
20088	Pulkovo 1995 GK Zone 28N
20087	Pulkovo 1995 GK Zone 27N
20086	Pulkovo 1995 GK Zone 26N
20085	Pulkovo 1995 GK Zone 25N
20084	Pulkovo 1995 GK Zone 24N
20083	Pulkovo 1995 GK Zone 23N
20082	Pulkovo 1995 GK Zone 22N
20081	Pulkovo 1995 GK Zone 21N
20080	Pulkovo 1995 GK Zone 20N
20079	Pulkovo 1995 GK Zone 19N
20078	Pulkovo 1995 GK Zone 18N
20077	Pulkovo 1995 GK Zone 17N
20076	Pulkovo 1995 GK Zone 16N
20075	Pulkovo 1995 GK Zone 15N
20074	Pulkovo 1995 GK Zone 14N
20073	Pulkovo 1995 GK Zone 13N
20072	Pulkovo 1995 GK Zone 12N
20071	Pulkovo 1995 GK Zone 11N
20070	Pulkovo 1995 GK Zone 10N
20069	Pulkovo 1995 GK Zone 9N
20068	Pulkovo 1995 GK Zone 8N
20067	Pulkovo 1995 GK Zone 7N
20066	Pulkovo 1995 GK Zone 6N
20065	Pulkovo 1995 GK Zone 5N
20064	Pulkovo 1995 GK Zone 4N
20063	Pulkovo 1995 GK Zone 3N
20062	Pulkovo 1995 GK Zone 2N
20032	Pulkovo 1995 GK Zone 32
20031	Pulkovo 1995 GK Zone 31
20030	Pulkovo 1995 GK Zone 30
20029	Pulkovo 1995 GK Zone 29
20028	Pulkovo 1995 GK Zone 28
20027	Pulkovo 1995 GK Zone 27
20026	Pulkovo 1995 GK Zone 26
20025	Pulkovo 1995 GK Zone 25
20024	Pulkovo 1995 GK Zone 24
20023	Pulkovo 1995 GK Zone 23

20022	Pulkovo 1995 GK Zone 22
20021	Pulkovo 1995 GK Zone 21
20020	Pulkovo 1995 GK Zone 20
20019	Pulkovo 1995 GK Zone 19
20018	Pulkovo 1995 GK Zone 18
20017	Pulkovo 1995 GK Zone 17
20016	Pulkovo 1995 GK Zone 16
20015	Pulkovo 1995 GK Zone 15
20014	Pulkovo 1995 GK Zone 14
20013	Pulkovo 1995 GK Zone 13
20012	Pulkovo 1995 GK Zone 12
20011	Pulkovo 1995 GK Zone 11
20010	Pulkovo 1995 GK Zone 10
20009	Pulkovo 1995 GK Zone 9
20008	Pulkovo 1995 GK Zone 8
20007	Pulkovo 1995 GK Zone 7
20006	Pulkovo 1995 GK Zone 6
20005	Pulkovo 1995 GK Zone 5
20004	Pulkovo 1995 GK Zone 4
20003	Pulkovo 1995 GK Zone 3
20002	Pulkovo 1995 GK Zone 2
3992	Puerto Rico StatePlane Virgin Islands St Croix FIPS 5202
3991	Puerto Rico StatePlane Puerto Rico FIPS 5201
3920	Puerto Rico UTM Zone 20N
3565	Old Hawaiian StatePlane Hawaii 5 FIPS 5105
3564	Old Hawaiian StatePlane Hawaii 4 FIPS 5104
3563	Old Hawaiian StatePlane Hawaii 3 FIPS 5103
3562	Old Hawaiian StatePlane Hawaii 2 FIPS 5102
3561	Old Hawaiian StatePlane Hawaii 1 FIPS 5101
3440	PDO 1993 UTM Zone 40N
3439	PDO 1993 UTM Zone 39N
3300	Estonian Coordinate System of 1992
3200	FD 1958 Iraq
3176	Indian 1960 TM 106NE
3149	Indian 1960 UTM Zone 49N
3148	Indian 1960 UTM Zone 48N
3037	Moznet UTM Zone 37S
3036	Moznet UTM Zone 36S
2737	Tete UTM Zone 37S
2736	Tete UTM Zone 36S
2600	Leituvos Koordinociei Sistema
2550	Samboja UTM Zone 50S
2400	RT90 25 gon W
2394	Finland Zone 4
2393	Finland Zone 3
2392	Finland Zone 2
2391	Finland Zone 1
2295	ATS 1977 MTM 5 Nova Scotia
2294	ATS 1977 MTM 4 Nova Scotia
2290	Prince Edward Island Stereographic
2220	ATS 1977 UTM Zone 20N

2219	ATS 1977 UTM Zone 19N
2200	New Brunswick Stereographic
2100	Greek Grid
300	Madrid 1870 Madrid Spain
235	NAD 1927 CGQ77 UTM Zone 21N
234	NAD 1927 CGQ77 UTM Zone 20N
233	NAD 1927 CGQ77 UTM Zone 19N
232	NAD 1927 CGQ77 UTM Zone 18N
231	NAD 1927 CGQ77 UTM Zone 17N
230	NAD 1927 DEF 1976 UTM Zone 18N
229	NAD 1927 DEF 1976 UTM Zone 17N
228	NAD 1927 DEF 1976 UTM Zone 16N
227	NAD 1927 DEF 1976 UTM Zone 15N
226	NAD 1927 DEF 1976 MTM 17
225	NAD 1927 DEF 1976 MTM 16
224	NAD 1927 DEF 1976 MTM 15
223	NAD 1927 DEF 1976 MTM 14
222	NAD 1927 DEF 1976 MTM 13
221	NAD 1927 DEF 1976 MTM 12
220	NAD 1927 DEF 1976 MTM 11
219	NAD 1927 DEF 1976 MTM 10

218	NAD 1927 DEF 1976 MTM 9
217	NAD 1927 DEF 1976 MTM 8
216	NAD 1927 CGQ77 MTM 10 SCoPQ
215	NAD 1927 CGQ77 MTM 9 SCoPQ
214	NAD 1927 CGQ77 MTM 8 SCoPQ
213	NAD 1927 CGQ77 MTM 7 SCoPQ
212	NAD 1927 CGQ77 MTM 6 SCoPQ
211	NAD 1927 CGQ77 MTM 5 SCoPQ
210	NAD 1927 CGQ77 MTM 4 SCoPQ
209	NAD 1927 CGQ77 MTM 3 SCoPQ
208	NAD 1927 CGQ77 MTM 2 SCoPQ
207	St Vincent 1945 British West Indies Grid
206	St Lucia 1955 British West Indies Grid
205	St Kitts 1955 British West Indies Grid
204	Montserrat 1958 British West Indies Grid
203	Grenada 1953 British West Indies Grid
202	Dominica 1945 British West Indies Grid
201	Antigua 1943 British West Indies Grid
200	Anguilla 1957 British West Indies Grid

## V. *Geographic Coordinate Systems full description*

### **GCS ATF Paris,4901**

GEOGCS["GCS\_ATF\_Paris",DATUM["D\_ATF",SPHEROID["Plessis\_1817",6376523,308.64]],PRIMEM["Paris",2.337229166666667],UNIT["Grad",0.015707963267948967]]

### **GCS ATS 1977,4122**

GEOGCS["GCS\_ATS\_1977",DATUM["D\_ATS\_1977",SPHEROID["ATS\_1977",6378135,298.257]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

### **GCS Adindan,4201**

GEOGCS["GCS\_Adindan",DATUM["D\_Adindan",SPHEROID["Clarke\_1880\_RGS",6378249.145,293.465]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

### **GCS Afgooye,4205**

GEOGCS["GCS\_Afgooye",DATUM["D\_Afgooye",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

### **GCS Agadez,4206**

GEOGCS["GCS\_Agadez",DATUM["D\_Agadez",SPHEROID["Clarke\_1880\_IGN",6378249.2,293.46602]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

### **GCS Ain el Abd 1970,4204**

GEOGCS["GCS\_Ain\_el\_Abd\_1970",DATUM["D\_Ain\_el\_Abd\_1970",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

### **GCS Airy 1830,4001**

GEOGCS["GCS\_Airy\_1830",DATUM["D\_Airy\_1830",SPHEROID["Airy\_1830",6377563.396,299.3249646]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

### **GCS Airy Modified,4002**

GEOGCS["GCS\_Airy\_Modified",DATUM["D\_Airy\_Modified",SPHEROID["Airy\_Modified",6377340.189,299.3249646]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

### **GCS Alaskan Islands,37260**

GEOGCS["GCS\_Alaskan\_Islands",DATUM["D\_Alaskan\_Islands",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

### **GCS Amersfoort,4289**

GEOGCS["GCS\_Amersfoort",DATUM["D\_Amersfoort",SPHEROID["Bessel\_1841",6377397.155,299.1528128]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

### **GCS Anguilla 1957,4600**

GEOGCS["GCS\_Anguilla\_1957",DATUM["D\_Anguilla\_1957",SPHEROID["Clarke\_1880\_RGS",6378249.145,293.465]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

### **GCS Anna 1 1965,37231**

GEOGCS["GCS\_Anna\_1\_1965",DATUM["D\_Anna\_1\_1965",SPHEROID["Australian",6378160,298.25]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

### **GCS Antigua 1943,4601**

GEOGCS["GCS\_Antigua\_1943",DATUM["D\_Antigua\_1943",SPHEROID["Clarke\_1880\_RGS",6378249.145,293.465]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

### **GCS Aratu,4208**

GEOGCS["GCS\_Aratu",DATUM["D\_Aratu",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Arc 1950,4209**

GEOGCS["GCS\_Arc\_1950",DATUM["D\_Arc\_1950",SPHEROID["Clarke\_1880\_Arc",6378249.145,293.466307656]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Arc 1960,4210**

GEOGCS["GCS\_Arc\_1960",DATUM["D\_Arc\_1960",SPHEROID["Clarke\_1880\_RGS",6378249.145,293.465]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Ascension Island 1958,37237**

GEOGCS["GCS\_Ascension\_Island\_1958",DATUM["D\_Ascension\_Island\_1958",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Astro 1952,37214**

GEOGCS["GCS\_Astro\_1952",DATUM["D\_Astro\_1952",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Australian,4003**

GEOGCS["GCS\_Australian",DATUM["D\_Australian",SPHEROID["Australian",6378160,298.25]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Australian 1966,4202**

GEOGCS["GCS\_Australian\_1966",DATUM["D\_Australian\_1966",SPHEROID["Australian",6378160,298.25]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Australian 1984,4203**

GEOGCS["GCS\_Australian\_1984",DATUM["D\_Australian\_1984",SPHEROID["Australian",6378160,298.25]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Ayabelle,37208**

GEOGCS["GCS\_Ayabelle",DATUM["D\_Ayabelle",SPHEROID["Clarke\_1880\_RGS",6378249.145,293.465]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Barbados 1938,4212**

GEOGCS["GCS\_Barbados\_1938",DATUM["D\_Barbados\_1938",SPHEROID["Clarke\_1880\_RGS",6378249.145,293.465]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Batavia,4211**

GEOGCS["GCS\_Batavia",DATUM["D\_Batavia",SPHEROID["Bessel\_1841",6377397.155,299.1528128]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Batavia Jakarta,4813**

GEOGCS["GCS\_Batavia\_Jakarta",DATUM["D\_Batavia",SPHEROID["Bessel\_1841",6377397.155,299.1528128]],PRIMEM["Jakarta",106.8077194444444],UNIT["Degree",0.017453292519943295]]

**GCS Beacon E 1945,37212**

GEOGCS["GCS\_Beacon\_E\_1945",DATUM["D\_Beacon\_E\_1945",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Beduaram,4213**

GEOGCS["GCS\_Beduaram",DATUM["D\_Beduaram",SPHEROID["Clarke\_1880\_IGN",6378249.2,293.46602]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Beijing 1954,4214**

GEOGCS["GCS\_Beijing\_1954",DATUM["D\_Beijing\_1954",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Belge 1950,4215**

GEOGCS["GCS\_Belge\_1950",DATUM["D\_Belge\_1950",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Belge 1950 Brussels,4809**

GEOGCS["GCS\_Belge\_1950\_Brussels",DATUM["D\_Belge\_1950",SPHEROID["International\_1924",6378388,297]],PRIMEM["Brussels",4.367975],UNIT["Degree",0.017453292519943295]]

**GCS Belge 1972,4313**

GEOGCS["GCS\_Belge\_1972",DATUM["D\_Belge\_1972",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Bellevue IGN,37215**

GEOGCS["GCS\_Bellevue\_IGN",DATUM["D\_Bellevue\_IGN",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Bermuda 1957,4216**

GEOGCS["GCS\_Bermuda\_1957",DATUM["D\_Bermuda\_1957",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Bern 1898,4217**

GEOGCS["GCS\_Bern\_1898",DATUM["D\_Bern\_1898",SPHEROID["Bessel\_1841",6377397.155,299.1528128]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Bern 1898 Bern,4801**

GEOGCS["GCS\_Bern\_1898\_Bern",DATUM["D\_Bern\_1898",SPHEROID["Bessel\_1841",6377397.155,299.1528128]],PRIMEM["Bern",7.439583333333333],UNIT["Degree",0.017453292519943295]]

**GCS Bern 1938,4306**

GEOGCS["GCS\_Bern\_1938",DATUM["D\_Bern\_1938",SPHEROID["Bessel\_1841",6377397.155,299.1528128]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Bessel 1841,4004**

GEOGCS["GCS\_Bessel\_1841",DATUM["D\_Bessel\_1841",SPHEROID["Bessel\_1841",6377397.155,299.1528128]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Bessel Modified,4005**

GEOGCS["GCS\_Bessel\_Modified",DATUM["D\_Bessel\_Modified",SPHEROID["Bessel\_Modified",6377492.018,299.1528128]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Bessel Namibia,4006**

GEOGCS["GCS\_Bessel\_Namibia",DATUM["D\_Bessel\_Namibia",SPHEROID["Bessel\_Namibia",6377483.865,299.1528128]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Bissau,37209**

GEOGCS["GCS\_Bissau",DATUM["D\_Bissau",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Bogota,4218**

GEOGCS["GCS\_Bogota",DATUM["D\_Bogota",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Bogota Bogota,4802**

GEOGCS["GCS\_Bogota\_Bogota",DATUM["D\_Bogota",SPHEROID["International\_1924",6378388,297]],PRIMEM["Bogota",-74.08091666666667],UNIT["Degree",0.017453292519943295]]

**GCS Bukit Rimpah,4219**

GEOGCS["GCS\_Bukit\_Rimpah",DATUM["D\_Bukit\_Rimpah",SPHEROID["Bessel\_1841",6377397.155,299.1528128]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Camacupa,4220**

GEOGCS["GCS\_Camacupa",DATUM["D\_Camacupa",SPHEROID["Clarke\_1880\_RGS",6378249.145,293.465]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Camp Area,37253**

GEOGCS["GCS\_Camp\_Area",DATUM["D\_Camp\_Area",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Campo Inchauspe,4221**

GEOGCS["GCS\_Campo\_Inchauspe",DATUM["D\_Campo\_Inchauspe",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Canton 1966,37216**

GEOGCS["GCS\_Canton\_1966",DATUM["D\_Canton\_1966",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Cape,4222**

GEOGCS["GCS\_Cape",DATUM["D\_Cape",SPHEROID["Clarke\_1880\_Arc",6378249.145,293.466307656]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Cape Canaveral,37239**

GEOGCS["GCS\_Cape\_Canaveral",DATUM["D\_Cape\_Canaveral",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Carthage,4223**

GEOGCS["GCS\_Carthage",DATUM["D\_Carthage",SPHEROID["Clarke\_1880\_IGN",6378249.2,293.46602]],PRIMEM["Greenwich",0],UNIT["Grad",0.015707963267948967]]

**GCS Carthage Degree,37223**

GEOGCS["GCS\_Carthage\_Degree",DATUM["D\_Carthage",SPHEROID["Clarke\_1880\_IGN",6378249.2,293.46602]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Carthage Paris,4816**

GEOGCS["GCS\_Carthage\_Paris",DATUM["D\_Carthage",SPHEROID["Clarke\_1880\_IGN",6378249.2,293.46602]],PRIMEM["Paris",2.337229166666667],UNIT["Grad",0.015707963267948967]]

**GCS Chatham Island 1971,37217**

GEOGCS["GCS\_Chatham\_Island\_1971",DATUM["D\_Chatham\_Island\_1971",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Chua,4224**

GEOGCS["GCS\_Chua",DATUM["D\_Chua",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Clarke 1858,4007**

GEOGCS["GCS\_Clarke\_1858",DATUM["D\_Clarke\_1858",SPHEROID["Clarke\_1858",6378293.639,294.260676369]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Clarke 1866,4008**

GEOGCS["GCS\_Clarke\_1866",DATUM["D\_Clarke\_1866",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Clarke 1866 Michigan,4009**

GEOGCS["GCS\_Clarke\_1866\_Michigan",DATUM["D\_Clarke\_1866\_Michigan",SPHEROID["Clarke\_1866\_Michigan",6378450.047,294.978684677]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Clarke 1880,4034**

GEOGCS["GCS\_Clarke\_1880",DATUM["D\_Clarke\_1880",SPHEROID["Clarke\_1880",6378249.138,293.466307656]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Clarke 1880 Arc,4013**

GEOGCS["GCS\_Clarke\_1880\_Arc",DATUM["D\_Clarke\_1880\_Arc",SPHEROID["Clarke\_1880\_Arc",6378249.145,293.466307656]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Clarke 1880 Benoit,4010**

GEOGCS["GCS\_Clarke\_1880\_Benoit",DATUM["D\_Clarke\_1880\_Benoit",SPHEROID["Clarke\_1880\_Benoit",6378300.79,293.466234571]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Clarke 1880 IGN,4011**

GEOGCS["GCS\_Clarke\_1880\_IGN",DATUM["D\_Clarke\_1880\_IGN",SPHEROID["Clarke\_1880\_IGN",6378249.2,293.46602]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Clarke 1880 RGS,4012**

GEOGCS["GCS\_Clarke\_1880\_RGS",DATUM["D\_Clarke\_1880\_RGS",SPHEROID["Clarke\_1880\_RGS",6378249.145,293.465]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Clarke 1880 SGA,4014**

GEOGCS["GCS\_Clarke\_1880\_SGA",DATUM["D\_Clarke\_1880\_SGA",SPHEROID["Clarke\_1880\_SGA",6378249.2,293.46598]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Conakry 1905,4315**

GEOGCS["GCS\_Conakry\_1905",DATUM["D\_Conakry\_1905",SPHEROID["Clarke\_1880\_IGN",6378249.2,293.46602]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Corrego Alegre,4225**

GEOGCS["GCS\_Corrego\_Alegre",DATUM["D\_Corrego\_Alegre",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Cote d Ivoire,4226**

GEOGCS["GCS\_Cote\_d\_Ivoire",DATUM["D\_Cote\_d\_Ivoire",SPHEROID["Clarke\_1880\_IGN",6378249.2,293.46602]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS DOS 1968,37218**

GEOGCS["GCS\_DOS\_1968",DATUM["D\_DOS\_1968",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS DOS 71 4,37238**

GEOGCS["GCS\_DOS\_71\_4",DATUM["D\_DOS\_71\_4",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Dabola,37210**

GEOGCS["GCS\_Dabola",DATUM["D\_Dabola",SPHEROID["Clarke\_1880\_RGS",6378249.145,293.465]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Datum 73,4274**

GEOGCS["GCS\_Datum\_73",DATUM["D\_Datum\_73",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Dealul Piscului 1933,4316**

GEOGCS["GCS\_Dealul\_Piscului\_1933",DATUM["D\_Dealul\_Piscului\_1933",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Dealul Piscului 1970,4317**

GEOGCS["GCS\_Dealul\_Piscului\_1970",DATUM["D\_Dealul\_Piscului\_1970",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Deception Island,37254**

GEOGCS["GCS\_Deception\_Island",DATUM["D\_Deception\_Island",SPHEROID["Clarke\_1880\_RGS",6378249.145,293.465]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Deir ez Zor,4227**

GEOGCS["GCS\_Deir\_ez\_Zor",DATUM["D\_Deir\_ez\_Zor",SPHEROID["Clarke\_1880\_IGN",6378249.2,293.46602]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Deutsche Hauptdreiecksnetz,4314**

GEOGCS["GCS\_Deutsche\_Hauptdreiecksnetz",DATUM["D\_Deutsche\_Hauptdreiecksnetz",SPHEROID["Bessel\_1841",6377397.155,299.1528128]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Dominica 1945,4602**

GEOGCS["GCS\_Dominica\_1945",DATUM["D\_Dominica\_1945",SPHEROID["Clarke\_1880\_RGS",6378249.145,293.465]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Douala,4228**

GEOGCS["GCS\_Douala",DATUM["D\_Douala",SPHEROID["Clarke\_1880\_IGN",6378249.2,293.46602]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS ETRF 1989,4258**

GEOGCS["GCS\_ETRF\_1989",DATUM["D\_ETRF\_1989",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Easter Island 1967,37219**

GEOGCS["GCS\_Easter\_Island\_1967",DATUM["D\_Easter\_Island\_1967",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Egypt 1907,4229**

GEOGCS["GCS\_Egypt\_1907",DATUM["D\_Egypt\_1907",SPHEROID["Helmert\_1906",6378200,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Estonia 1992,4133**

GEOGCS["GCS\_Estonia\_1992",DATUM["D\_Estonia\_1992",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS European 1950,4230**

GEOGCS["GCS\_European\_1950",DATUM["D\_European\_1950",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS European 1979,37201**

GEOGCS["GCS\_European\_1979",DATUM["D\_European\_1979",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS European 1987,4231**

GEOGCS["GCS\_European\_1987",DATUM["D\_European\_1987",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Everest 1830,4015**

GEOGCS["GCS\_Everest\_1830",DATUM["D\_Everest\_1830",SPHEROID["Everest\_1830",6377299.36,300.8017]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Everest Bangladesh,37202**

GEOGCS["GCS\_Everest\_Bangladesh",DATUM["D\_Everest\_Bangladesh",SPHEROID["Everest\_1830",6377299.36,300.8017]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Everest India Nepal,37203**

GEOGCS["GCS\_Everest\_India\_Nepal",DATUM["D\_Everest\_India\_Nepal",SPHEROID["Everest\_Definition\_1975",6377301.243,300.8017]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Everest Modified,4018**

GEOGCS["GCS\_Everest\_Modified",DATUM["D\_Everest\_Modified",SPHEROID["Everest\_Modified",6377304.063,300.80174]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Everest Modified 1969,37006**

GEOGCS["GCS\_Everest\_Modified\_1969",DATUM["D\_Everest\_Modified\_1969",SPHEROID["Everest\_Modified\_1969",6377295.664,300.8017]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Everest def 1967,4016**

GEOGCS["GCS\_Everest\_def\_1967",DATUM["D\_Everest\_Def\_1967",SPHEROID["Everest\_Definition\_1967",6377298.556,300.8017]],PRIME M["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Everest def 1975,4017**

GEOGCS["GCS\_Everest\_def\_1975",DATUM["D\_Everest\_Def\_1975",SPHEROID["Everest\_Definition\_1975",6377301.243,300.8017]],PRIME M["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS FD 1958,4132**

GEOGCS["GCS\_FD\_1958",DATUM["D\_FD\_1958",SPHEROID["Clarke\_1880\_RGS",6378249.145,293.465]],PRIMEM["Greenwich",0],UNIT ["Degree",0.017453292519943295]]

**GCS Fahud,4232**

GEOGCS["GCS\_Fahud",DATUM["D\_Fahud",SPHEROID["Clarke\_1880\_RGS",6378249.145,293.465]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Fischer 1960,37002**

GEOGCS["GCS\_Fischer\_1960",DATUM["D\_Fischer\_1960",SPHEROID["Fischer\_1960",6378166,298.3]],PRIMEM["Greenwich",0],UNIT["Degr ee",0.017453292519943295]]

**GCS Fischer 1968,37003**

GEOGCS["GCS\_Fischer\_1968",DATUM["D\_Fischer\_1968",SPHEROID["Fischer\_1968",6378150,298.3]],PRIMEM["Greenwich",0],UNIT["Degr ee",0.017453292519943295]]

**GCS Fischer Modified,37004**

GEOGCS["GCS\_Fischer\_Modified",DATUM["D\_Fischer\_Modified",SPHEROID["Fischer\_Modified",6378155,298.3]],PRIMEM["Greenwich",0], UNIT["Degree",0.017453292519943295]]

**GCS Fort Thomas 1955,37240**

GEOGCS["GCS\_Fort\_Thomas\_1955",DATUM["D\_Fort\_Thomas\_1955",SPHEROID["Clarke\_1880\_RGS",6378249.145,293.465]],PRIMEM ["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS GDA 1994,4283**

GEOGCS["GCS\_GDA\_1994",DATUM["D\_GDA\_1994",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT ["Degree",0.017453292519943295]]

**GCS GEM 10C,4031**

GEOGCS["GCS\_GEM\_10C",DATUM["D\_GEM\_10C",SPHEROID["GEM\_10C",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Deg ree",0.017453292519943295]]

**GCS GGRS 1987,4121**

GEOGCS["GCS\_GGRS\_1987",DATUM["D\_GGRS\_1987",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT ["Degree",0.017453292519943295]]

**GCS GRS 1967,4036**

GEOGCS["GCS\_GRS\_1967",DATUM["D\_GRS\_1967",SPHEROID["GRS\_1967",6378160,298.247167427]],PRIMEM["Greenwich",0],UNIT ["Degree",0.017453292519943295]]

**GCS GRS 1980,4019**

GEOGCS["GCS\_GRS\_1980",DATUM["D\_GRS\_1980",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT ["Degree",0.017453292519943295]]

**GCS GUX 1,37221**

GEOGCS["GCS\_GUX\_1",DATUM["D\_GUX\_1",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.01 7453292519943295]]

**GCS Gan 1970,37232**

GEOGCS["GCS\_Gan\_1970",DATUM["D\_Gan\_1970",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Gandajika 1970,4233**

GEOGCS["GCS\_Gandajika\_1970",DATUM["D\_Gandajika\_1970",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Garoua,4234**

GEOGCS["GCS\_Garoua",DATUM["D\_Garoua",SPHEROID["Clarke\_1880\_IGN",6378249.2,293.46602]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Graciosa Base SW 1948,37241**

GEOGCS["GCS\_Graciosa\_Base\_SW\_1948",DATUM["D\_Graciosa\_Base\_SW\_1948",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Greek,4120**

GEOGCS["GCS\_Greek",DATUM["D\_Greek",SPHEROID["Bessel\_1841",6377397.155,299.1528128]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Greek Athens,4815**

GEOGCS["GCS\_Greek\_Athens",DATUM["D\_Greek",SPHEROID["Bessel\_1841",6377397.155,299.1528128]],PRIMEM["Athens",23.7163375],UNIT["Degree",0.017453292519943295]]

**GCS Grenada 1953,4603**

GEOGCS["GCS\_Grenada\_1953",DATUM["D\_Grenada\_1953",SPHEROID["Clarke\_1880\_RGS",6378249.145,293.465]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Guam 1963,37220**

GEOGCS["GCS\_Guam\_1963",DATUM["D\_Guam\_1963",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Gunung Segara,37255**

GEOGCS["GCS\_Gunung\_Segara",DATUM["D\_Gunung\_Segara",SPHEROID["Bessel\_1841",6377397.155,299.1528128]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Guyane Francaise,4235**

GEOGCS["GCS\_Guyane\_Francaise",DATUM["D\_Guyane\_Francaise",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Helmert 1906,4020**

GEOGCS["GCS\_Helmert\_1906",DATUM["D\_Helmert\_1906",SPHEROID["Helmert\_1906",6378200,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Herat North,4255**

GEOGCS["GCS\_Herat\_North",DATUM["D\_Herat\_North",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Hito XVIII 1963,4254**

GEOGCS["GCS\_Hito\_XVIII\_1963",DATUM["D\_Hito\_XVIII\_1963",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Hjorsey 1955,37204**

GEOGCS["GCS\_Hjorsey\_1955",DATUM["D\_Hjorsey\_1955",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Hong Kong 1963,37205**

GEOGCS["GCS\_Hong\_Kong\_1963",DATUM["D\_Hong\_Kong\_1963",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Hough 1960,37005**

GEOGCS["GCS\_Hough\_1960",DATUM["D\_Hough\_1960",SPHEROID["Hough\_1960",6378270,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Hu Tzu Shan,4236**

GEOGCS["GCS\_Hu\_Tzu\_Shan",DATUM["D\_Hu\_Tzu\_Shan",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Hungarian 1972,4237**

GEOGCS["GCS\_Hungarian\_1972",DATUM["D\_Hungarian\_1972",SPHEROID["GRS\_1967",6378160,298.247167427]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS ISTS 061 1968,37242**

GEOGCS["GCS\_ISTS\_061\_1968",DATUM["D\_ISTS\_061\_1968",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS ISTS 073 1969,37233**

GEOGCS["GCS\_ISTS\_073\_1969",DATUM["D\_ISTS\_073\_1969",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Indian 1954,4239**

GEOGCS["GCS\_Indian\_1954",DATUM["D\_Indian\_1954",SPHEROID["Everest\_Adjustment\_1937",6377276.345,300.8017]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Indian 1960,4131**

GEOGCS["GCS\_Indian\_1960",DATUM["D\_Indian\_1960",SPHEROID["Everest\_Adjustment\_1937",6377276.345,300.8017]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Indian 1975,4240**

GEOGCS["GCS\_Indian\_1975",DATUM["D\_Indian\_1975",SPHEROID["Everest\_Adjustment\_1937",6377276.345,300.8017]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Indonesian,4021**

GEOGCS["GCS\_Indonesian",DATUM["D\_Indonesian",SPHEROID["Indonesian",6378160,298.247]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Indonesian 1974,4238**

GEOGCS["GCS\_Indonesian\_1974",DATUM["D\_Indonesian\_1974",SPHEROID["Indonesian",6378160,298.247]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS International 1924,4022**

GEOGCS["GCS\_International\_1924",DATUM["D\_International\_1924",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS International 1967,4023**

GEOGCS["GCS\_International\_1967",DATUM["D\_International\_1967",SPHEROID["International\_1967",6378160,298.25]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Jamaica 1875,4241**

GEOGCS["GCS\_Jamaica\_1875",DATUM["D\_Jamaica\_1875",SPHEROID["Clarke\_1880",6378249.138,293.466307656]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Jamaica 1969,4242**

GEOGCS["GCS\_Jamaica\_1969",DATUM["D\_Jamaica\_1969",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Johnston Island 1961,37222**

GEOGCS["GCS\_Johnston\_Island\_1961",DATUM["D\_Johnston\_Island\_1961",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS KKJ,4123**

GEOGCS["GCS\_KKJ",DATUM["D\_KKJ",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS KUDAMS,4319**

GEOGCS["GCS\_KUDAMS",DATUM["D\_Kuwait\_Utility",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Kalianpur,4243**

GEOGCS["GCS\_Kalianpur",DATUM["D\_Kalianpur",SPHEROID["Everest\_Definition\_1975",6377301.243,300.8017]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Kandawala,4244**

GEOGCS["GCS\_Kandawala",DATUM["D\_Kandawala",SPHEROID["Everest\_Adjustment\_1937",6377276.345,300.8017]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Kerguelen Island 1949,37234**

GEOGCS["GCS\_Kerguelen\_Island\_1949",DATUM["D\_Kerguelen\_Island\_1949",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Kertau,4245**

GEOGCS["GCS\_Kertau",DATUM["D\_Kertau",SPHEROID["Everest\_Modified",6377304.063,300.80174]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Krasovsky 1940,4024**

GEOGCS["GCS\_Krasovsky\_1940",DATUM["D\_Krasovsky\_1940",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Kusaie 1951,37259**

GEOGCS["GCS\_Kusaie\_1951",DATUM["D\_Kusaie\_1951",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Kuwait Oil Company,4246**

GEOGCS["GCS\_Kuwait\_Oil\_Company",DATUM["D\_Kuwait\_Oil\_Company",SPHEROID["Clarke\_1880\_RGS",6378249.145,293.465]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS LC5 1961,37243**

GEOGCS["GCS\_LC5\_1961",DATUM["D\_LC5\_1961",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS LKS 1994,4126**

GEOGCS["GCS\_LKS\_1994",DATUM["D\_Lithuania\_1994",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS La Canoa,4247**

GEOGCS["GCS\_La\_Canoa",DATUM["D\_La\_Canoa",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Lake,4249**

GEOGCS["GCS\_Lake",DATUM["D\_Lake",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Leigon,4250**

GEOGCS["GCS\_Leigon",DATUM["D\_Leigon",SPHEROID["Clarke\_1880\_RGS",6378249.145,293.465]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Liberia 1964,4251**

GEOGCS["GCS\_Liberia\_1964",DATUM["D\_Liberia\_1964",SPHEROID["Clarke\_1880\_RGS",6378249.145,293.465]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Lisbon,4207**

GEOGCS["GCS\_Lisbon",DATUM["D\_Lisbon",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Lisbon Lisbon,4803**

GEOGCS["GCS\_Lisbon\_Lisbon",DATUM["D\_Lisbon",SPHEROID["International\_1924",6378388,297]],PRIMEM["Lisbon",-9.131906111111112],UNIT["Degree",0.017453292519943295]]

**GCS Loma Quintana,4288**

GEOGCS["GCS\_Loma\_Quintana",DATUM["D\_Loma\_Quintana",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Lome,4252**

GEOGCS["GCS\_Lome",DATUM["D\_Lome",SPHEROID["Clarke\_1880\_IGN",6378249.2,293.46602]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Luzon 1911,4253**

GEOGCS["GCS\_Luzon\_1911",DATUM["D\_Luzon\_1911",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS MGI,4312**

GEOGCS["GCS\_MGI",DATUM["D\_MGI",SPHEROID["Bessel\_1841",6377397.155,299.1528128]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS MGI Ferro,4805**

GEOGCS["GCS\_MGI\_Ferro",DATUM["D\_MGI",SPHEROID["Bessel\_1841",6377397.155,299.1528128]],PRIMEM["Ferro",-17.666666666666667],UNIT["Degree",0.017453292519943295]]

**GCS Madrid 1870 Madrid,4903**

GEOGCS["GCS\_Madrid\_1870\_Madrid",DATUM["D\_Madrid\_1870",SPHEROID["Struve\_1860",6378298.3,294.73]],PRIMEM["Madrid",-3.687938888888889],UNIT["Degree",0.017453292519943295]]

**GCS Madzansua,4128**

GEOGCS["GCS\_Madzansua",DATUM["D\_Madzansua",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Mahe 1971,4256**

GEOGCS["GCS\_Mahe\_1971",DATUM["D\_Mahe\_1971",SPHEROID["Clarke\_1880\_RGS",6378249.145,293.465]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Makassar,4257**

GEOGCS["GCS\_Makassar",DATUM["D\_Makassar",SPHEROID["Bessel\_1841",6377397.155,299.1528128]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Makassar Jakarta,4804**

GEOGCS["GCS\_Makassar\_Jakarta",DATUM["D\_Makassar",SPHEROID["Bessel\_1841",6377397.155,299.1528128]],PRIMEM["Jakarta",106.80771944444444],UNIT["Degree",0.017453292519943295]]

**GCS Malongo 1987,4259**

GEOGCS["GCS\_Malongo\_1987",DATUM["D\_Malongo\_1987",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Manoca,4260**

GEOGCS["GCS\_Manoca",DATUM["D\_Manoca",SPHEROID["Clarke\_1880\_RGS",6378249.145,293.465]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Massawa,4262**

GEOGCS["GCS\_Massawa",DATUM["D\_Massawa",SPHEROID["Bessel\_1841",6377397.155,299.1528128]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Merchich,4261**

GEOGCS["GCS\_Merchich",DATUM["D\_Merchich",SPHEROID["Clarke\_1880\_IGN",6378249.2,293.46602]],PRIMEM["Greenwich",0],UNIT["Degree",0.015707963267948967]]

**GCS Mhast,4264**

GEOGCS["GCS\_Mhast",DATUM["D\_Mhast",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Midway 1961,37224**

GEOGCS["GCS\_Midway\_1961",DATUM["D\_Midway\_1961",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Minna,4263**

GEOGCS["GCS\_Minna",DATUM["D\_Minna",SPHEROID["Clarke\_1880\_RGS",6378249.145,293.465]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Monte Mario,4265**

GEOGCS["GCS\_Monte\_Mario",DATUM["D\_Monte\_Mario",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Monte Mario Rome,4806**

GEOGCS["GCS\_Monte\_Mario\_Rome",DATUM["D\_Monte\_Mario",SPHEROID["International\_1924",6378388,297]],PRIMEM["Rome",12.4523333333333],UNIT["Degree",0.017453292519943295]]

**GCS Montserrat 1958,4404**

GEOGCS["GCS\_Montserrat\_1958",DATUM["D\_Montserrat\_1958",SPHEROID["Clarke\_1880\_RGS",6378249.145,293.465]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Moznet,4130**

GEOGCS["GCS\_Moznet",DATUM["D\_Moznet",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Mporaloko,4266**

GEOGCS["GCS\_Mporaloko",DATUM["D\_Mporaloko",SPHEROID["Clarke\_1880\_IGN",6378249.2,293.46602]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS NAD 1927 CGQ77,4609**

GEOGCS["GCS\_NAD\_1927\_CGQ77",DATUM["D\_NAD\_1927\_CGQ77",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS NAD 1927 Definition 1976,4608**

GEOGCS["GCS\_NAD\_1927\_Definition\_1976",DATUM["D\_NAD\_1927\_Definition\_1976",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS NGN,4318**

GEOGCS["GCS\_NGN",DATUM["D\_NGN",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS NGO 1948,4273**

GEOGCS["GCS\_NGO\_1948",DATUM["D\_NGO\_1948",SPHEROID["Bessel\_Modified",6377492.018,299.1528128]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS NSWC 9Z 2,4276**

GEOGCS["GCS\_NSWC\_9Z\_2",DATUM["D\_NSWC\_9Z\_2",SPHEROID["NWL\_9D",6378145,298.25]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS NTF,4275**

GEOGCS["GCS\_NTF",DATUM["D\_NTF",SPHEROID["Clarke\_1880\_IGN",6378249.2,293.46602]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS NTF Paris,4807**

GEOGCS["GCS\_NTF\_Paris",DATUM["D\_NTF",SPHEROID["Clarke\_1880\_IGN",6378249.2,293.46602]],PRIMEM["Paris",2.337229166666667],UNIT["Grad",0.015707963267948967]]

**GCS NWL 9D,4025**

GEOGCS["GCS\_NWL\_9D",DATUM["D\_NWL\_9D",SPHEROID["NWL\_9D",6378145,298.25]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Nahrwan 1967,4270**

GEOGCS["GCS\_Nahrwan\_1967",DATUM["D\_Nahrwan\_1967",SPHEROID["Clarke\_1880\_RGS",6378249.145,293.465]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Naparima 1972,4271**

GEOGCS["GCS\_Naparima\_1972",DATUM["D\_Naparima\_1972",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS New Zealand 1949,4272**

GEOGCS["GCS\_New\_Zealand\_1949",DATUM["D\_New\_Zealand\_1949",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Nord Sahara 1959,4307**

GEOGCS["GCS\_Nord\_Sahara\_1959",DATUM["D\_Nord\_Sahara\_1959",SPHEROID["Clarke\_1880\_IGN",6378249.2,293.46602]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Nord de Guerre Paris,4902**

GEOGCS["GCS\_Nord\_de\_Guerre\_Paris",DATUM["D\_Nord\_de\_Guerre",SPHEROID["Plessis\_1817",6376523,308.64]],PRIMEM["Paris",2.337229166666667],UNIT["Grad",0.015707963267948967]]

**GCS North American 1927,4267**

GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS North American 1983,4269**

GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS North American Michigan,4268**

GEOGCS["GCS\_North\_American\_Michigan",DATUM["D\_North\_American\_Michigan",SPHEROID["Clarke\_1866\_Michigan",6378450.047,294.978684677]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS OS SN 1980,4279**

GEOGCS["GCS\_OS\_SN\_1980",DATUM["D\_OS\_SN\_1980",SPHEROID["Airy\_1830",6377563.396,299.3249646]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS OSGB 1936,4277**

GEOGCS["GCS\_OSGB\_1936",DATUM["D\_OSGB\_1936",SPHEROID["Airy\_1830",6377563.396,299.3249646]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS OSGB 1970 SN,4278**

GEOGCS["GCS\_OSGB\_1970\_SN",DATUM["D\_OSGB\_1970\_SN",SPHEROID["Airy\_1830",6377563.396,299.3249646]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS OSU 86F,4032**

GEOGCS["GCS\_OSU\_86F",DATUM["D\_OSU\_86F",SPHEROID["OSU\_86F",6378136.2,298.25722]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS OSU 91A,4033**

GEOGCS["GCS\_OSU\_91A",DATUM["D\_OSU\_91A",SPHEROID["OSU\_91A",6378136.3,298.25722]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Observ Meteorologico 1939,37245**

GEOGCS["GCS\_Observ\_Meteorologico\_1939",DATUM["D\_Observ\_Meteorologico\_1939",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Observatorio,4129**

GEOGCS["GCS\_Observatorio",DATUM["D\_Observatorio",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Old Hawaiian,4135**

GEOGCS["GCS\_Old\_Hawaiian",DATUM["D\_Old\_Hawaiian",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Oman,37206**

GEOGCS["GCS\_Oman",DATUM["D\_Oman",SPHEROID["Clarke\_1880\_RGS",6378249.145,293.465]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS PDO 1993,4134**

GEOGCS["GCS\_PDO\_1993",DATUM["D\_PDO\_1993",SPHEROID["Clarke\_1880\_RGS",6378249.145,293.465]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Padang 1884,4280**

GEOGCS["GCS\_Padang\_1884",DATUM["D\_Padang\_1884",SPHEROID["Bessel\_1841",6377397.155,299.1528128]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Padang 1884 Jakarta,4808**

GEOGCS["GCS\_Padang\_1884\_Jakarta",DATUM["D\_Padang\_1884",SPHEROID["Bessel\_1841",6377397.155,299.1528128]],PRIMEM["Jakarta",106.8077194444444],UNIT["Degree",0.017453292519943295]]

**GCS Palestine 1923,4281**

GEOGCS["GCS\_Palestine\_1923",DATUM["D\_Palestine\_1923",SPHEROID["Clarke\_1880\_Benoit",6378300.79,293.466234571]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Pico de Las Nieves,37246**

GEOGCS["GCS\_Pico\_de\_Las\_Nieves",DATUM["D\_Pico\_de\_Las\_Nieves",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Pitcairn 1967,37226**

GEOGCS["GCS\_Pitcairn\_1967",DATUM["D\_Pitcairn\_1967",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Plessis 1817,4027**

GEOGCS["GCS\_Plessis\_1817",DATUM["D\_Plessis\_1817",SPHEROID["Plessis\_1817",6376523,308.64]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Point 58,37211**

GEOGCS["GCS\_Point\_58",DATUM["D\_Point\_58",SPHEROID["Clarke\_1880\_RGS",6378249.145,293.465]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Pointe Noire,4282**

GEOGCS["GCS\_Pointe\_Noire",DATUM["D\_Pointe\_Noire",SPHEROID["Clarke\_1880\_IGN",6378249.2,293.46602]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Porto Santo 1936,37247**

GEOGCS["GCS\_Porto\_Santo\_1936",DATUM["D\_Porto\_Santo\_1936",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Provisional S American 1956,4248**

GEOGCS["GCS\_Provisional\_S\_American\_1956",DATUM["D\_Provisional\_S\_American\_1956",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Puerto Rico,4139**

GEOGCS["GCS\_Puerto\_Rico",DATUM["D\_Puerto\_Rico",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Pulkovo 1942,4284**

GEOGCS["GCS\_Pulkovo\_1942",DATUM["D\_Pulkovo\_1942",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Pulkovo 1995,4200**

GEOGCS["GCS\_Pulkovo\_1995",DATUM["D\_Pulkovo\_1995",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Qatar,4285**

GEOGCS["GCS\_Qatar",DATUM["D\_Qatar",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Qatar 1948,4286**

GEOGCS["GCS\_Qatar\_1948",DATUM["D\_Qatar\_1948",SPHEROID["Helmert\_1906",6378200,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Qornoq,4287**

GEOGCS["GCS\_Qornoq",DATUM["D\_Qornoq",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS RT 1990,4124**

GEOGCS["GCS\_RT\_1990",DATUM["D\_RT\_1990",SPHEROID["Bessel\_1841",6377397.155,299.1528128]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS RT38,4308**

GEOGCS["GCS\_RT38",DATUM["D\_Stockholm\_1938",SPHEROID["Bessel\_1841",6377397.155,299.1528128]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS RT38 Stockholm,4814**

GEOGCS["GCS\_RT38\_Stockholm",DATUM["D\_Stockholm\_1938",SPHEROID["Bessel\_1841",6377397.155,299.1528128]],PRIMEM["Stockholm",18.0582777777778],UNIT["Degree",0.017453292519943295]]

**GCS Reunion,37235**

GEOGCS["GCS\_Reunion",DATUM["D\_Reunion",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS S JTSK,37258**

GEOGCS["GCS\_S\_JTSK",DATUM["D\_S\_JTSK",SPHEROID["Bessel\_1841",6377397.155,299.1528128]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS S42 Hungary,37257**

GEOGCS["GCS\_S42\_Hungary",DATUM["D\_S42\_Hungary",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Samboja,4125**

GEOGCS["GCS\_Samboja",DATUM["D\_Samboja",SPHEROID["Bessel\_1841",6377397.155,299.1528128]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Samoa 1962,37252**

GEOGCS["GCS\_Samoa\_1962",DATUM["D\_Samoa\_1962",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Santo DOS 1965,37227**

GEOGCS["GCS\_Santo\_DOS\_1965",DATUM["D\_Santo\_DOS\_1965",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Sao Braz,37249**

GEOGCS["GCS\_Sao\_Braz",DATUM["D\_Sao\_Braz",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Sapper Hill 1943,4292**

GEOGCS["GCS\_Sapper\_Hill\_1943",DATUM["D\_Sapper\_Hill\_1943",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Schwarzeck,4293**

GEOGCS["GCS\_Schwarzeck",DATUM["D\_Schwarzeck",SPHEROID["Bessel\_Namibia",6377483.865,299.1528128]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Segora,4294**

GEOGCS["GCS\_Segora",DATUM["D\_Segora",SPHEROID["Bessel\_1841",6377397.155,299.1528128]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Selvagem Grande 1938,37250**

GEOGCS["GCS\_Selvagem\_Grande\_1938",DATUM["D\_Selvagem\_Grande\_1938",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Serindung,4295**

GEOGCS["GCS\_Serindung",DATUM["D\_Serindung",SPHEROID["Bessel\_1841",6377397.155,299.1528128]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS South American 1969,4291**

GEOGCS["GCS\_South\_American\_1969",DATUM["D\_South\_American\_1969",SPHEROID["GRS\_1967\_Truncated",6378160,298.25]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS South Asia Singapore,37207**

GEOGCS["GCS\_South\_Asia\_Singapore",DATUM["D\_South\_Asia\_Singapore",SPHEROID["Fischer\_Modified",6378155,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Sphere,4035**

GEOGCS["GCS\_Sphere",DATUM["D\_Sphere",SPHEROID["Sphere",6371000,0]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Sphere ARC INFO,37008**

GEOGCS["GCS\_Sphere\_ARC\_INFO",DATUM["D\_Sphere\_ARC\_INFO",SPHEROID["Sphere\_ARC\_INFO",6370997,0]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS St George Island,4138**

GEOGCS["GCS\_St\_George\_Island",DATUM["D\_St\_George\_Island",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS St Kitts 1955,4605**

GEOGCS["GCS\_St\_Kitts\_1955",DATUM["D\_St\_Kitts\_1955",SPHEROID["Clarke\_1880\_RGS",6378249.145,293.465]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS St Lawrence Island,4136**

GEOGCS["GCS\_St\_Lawrence\_Island",DATUM["D\_St\_Lawrence\_Island",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS St Lucia 1955,4606**

GEOGCS["GCS\_St\_Lucia\_1955",DATUM["D\_St\_Lucia\_1955",SPHEROID["Clarke\_1880\_RGS",6378249.145,293.465]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS St Paul Island,4137**

GEOGCS["GCS\_St\_Paul\_Island",DATUM["D\_St\_Paul\_Island",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS St Vincent 1945,4607**

GEOGCS["GCS\_St\_Vincent\_1945",DATUM["D\_St\_Vincent\_1945",SPHEROID["Clarke\_1880\_RGS",6378249.145,293.465]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Struve 1860,4028**

GEOGCS["GCS\_Struve\_1860",DATUM["D\_Struve\_1860",SPHEROID["Struve\_1860",6378298.3,294.73]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Sudan,4296**

GEOGCS["GCS\_Sudan",DATUM["D\_Sudan",SPHEROID["Clarke\_1880\_IGN",6378249.2,293.46602]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS TM65,4299**

GEOGCS["GCS\_TM65",DATUM["D\_TM65",SPHEROID["Airy\_Modified",6377340.189,299.3249646]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS TM75,4300**

GEOGCS["GCS\_TM75",DATUM["D\_TM75",SPHEROID["Airy\_Modified",6377340.189,299.3249646]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Tananarive 1925,4297**

GEOGCS["GCS\_Tananarive\_1925",DATUM["D\_Tananarive\_1925",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Tananarive 1925 Paris,4810**

GEOGCS["GCS\_Tananarive\_1925\_Paris",DATUM["D\_Tananarive\_1925",SPHEROID["International\_1924",6378388,297]],PRIMEM["Paris",2.337229166666667],UNIT["Grad",0.015707963267948967]]

**GCS Tern Island 1961,37213**

GEOGCS["GCS\_Tern\_Island\_1961",DATUM["D\_Tern\_Island\_1961",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Tete,4127**

GEOGCS["GCS\_Tete",DATUM["D\_Tete",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Timbalai 1948,4298**

GEOGCS["GCS\_Timbalai\_1948",DATUM["D\_Timbalai\_1948",SPHEROID["Everest\_Definition\_1967",6377298.556,300.8017]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Tokyo,4301**

GEOGCS["GCS\_Tokyo",DATUM["D\_Tokyo",SPHEROID["Bessel\_1841",6377397.155,299.1528128]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Trinidad 1903,4302**

GEOGCS["GCS\_Trinidad\_1903",DATUM["D\_Trinidad\_1903",SPHEROID["Clarke\_1858",6378293.639,294.260676369]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Tristan 1968,37251**

GEOGCS["GCS\_Tristan\_1968",DATUM["D\_Tristan\_1968",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Trucial Coast 1948,4303**

GEOGCS["GCS\_Trucial\_Coast\_1948",DATUM["D\_Trucial\_Coast\_1948",SPHEROID["Helmert\_1906",6378200,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Viti Levu 1916,37228**

GEOGCS["GCS\_Viti\_Levu\_1916",DATUM["D\_Viti\_Levu\_1916",SPHEROID["Clarke\_1880\_RGS",6378249.145,293.465]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Voirol 1875,4304**

GEOGCS["GCS\_Voirol\_1875",DATUM["D\_Voirol\_1875",SPHEROID["Clarke\_1880\_IGN",6378249.2,293.46602]],PRIMEM["Greenwich",0],UNIT["Grad",0.015707963267948967]]

**GCS Voirol 1875 Paris,4811**

GEOGCS["GCS\_Voirol\_1875\_Paris",DATUM["D\_Voirol\_1875",SPHEROID["Clarke\_1880\_IGN",6378249.2,293.46602]],PRIMEM["Paris",2.337229166666667],UNIT["Grad",0.015707963267948967]]

**GCS Voirol Unifie 1960,4305**

GEOGCS["GCS\_Voirol\_Unifie\_1960",DATUM["D\_Voirol\_Unifie\_1960",SPHEROID["Clarke\_1880\_IGN",6378249.2,293.46602]],PRIMEM["Greenwich",0],UNIT["Grad",0.015707963267948967]]

**GCS Voirol Unifie 1960 Paris,4812**

GEOGCS["GCS\_Voirol\_Unifie\_1960\_Paris",DATUM["D\_Voirol\_Unifie\_1960",SPHEROID["Clarke\_1880\_IGN",6378249.2,293.46602]],PRIMEM["Paris",2.337229166666667],UNIT["Grad",0.015707963267948967]]

**GCS WGS 1966,37001**

GEOGCS["GCS\_WGS\_1966",DATUM["D\_WGS\_1966",SPHEROID["WGS\_1966",6378145,298.25]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS WGS 1972,4322**

GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS WGS 1972 BE,4324**

GEOGCS["GCS\_WGS\_1972\_BE",DATUM["D\_WGS\_1972\_BE",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS WGS 1984,4326**

GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Wake Eniwetok 1960,37229**

GEOGCS["GCS\_Wake\_Eniwetok\_1960",DATUM["D\_Wake\_Eniwetok\_1960",SPHEROID["Hough\_1960",6378270,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Wake Island 1952,37230**

GEOGCS["GCS\_Wake\_Island\_1952",DATUM["D\_Wake\_Island\_1952",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Walbeck,37007**

GEOGCS["GCS\_Walbeck",DATUM["D\_Walbeck",SPHEROID["Walbeck",6376896,302.78]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS War Office,4029**

GEOGCS["GCS\_War\_Office",DATUM["D\_War\_Office",SPHEROID["War\_Office",6378300.583,296]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Yacare,4309**

GEOGCS["GCS\_Yacare",DATUM["D\_Yacare",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Yoff,4310**

GEOGCS["GCS\_Yoff",DATUM["D\_Yoff",SPHEROID["Clarke\_1880\_IGN",6378249.2,293.46602]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

**GCS Zanderij,4311**

GEOGCS["GCS\_Zanderij",DATUM["D\_Zanderij",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]]

## VI. Projected Coordinate Systems full description

### AGD 1966 AMG Zone 48,20248

PROJCS["AGD\_1966\_AMG\_Zone\_48",GEOGCS["GCS\_Australian\_1966",DATUM["D\_Australian\_1966",SPHEROID["Australian",6378160,298.25]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",105],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

### AGD 1966 AMG Zone 49,20249

PROJCS["AGD\_1966\_AMG\_Zone\_49",GEOGCS["GCS\_Australian\_1966",DATUM["D\_Australian\_1966",SPHEROID["Australian",6378160,298.25]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",111],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

### AGD 1966 AMG Zone 50,20250

PROJCS["AGD\_1966\_AMG\_Zone\_50",GEOGCS["GCS\_Australian\_1966",DATUM["D\_Australian\_1966",SPHEROID["Australian",6378160,298.25]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",117],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

### AGD 1966 AMG Zone 51,20251

PROJCS["AGD\_1966\_AMG\_Zone\_51",GEOGCS["GCS\_Australian\_1966",DATUM["D\_Australian\_1966",SPHEROID["Australian",6378160,298.25]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",123],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

### AGD 1966 AMG Zone 52,20252

PROJCS["AGD\_1966\_AMG\_Zone\_52",GEOGCS["GCS\_Australian\_1966",DATUM["D\_Australian\_1966",SPHEROID["Australian",6378160,298.25]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",129],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

### AGD 1966 AMG Zone 53,20253

PROJCS["AGD\_1966\_AMG\_Zone\_53",GEOGCS["GCS\_Australian\_1966",DATUM["D\_Australian\_1966",SPHEROID["Australian",6378160,298.25]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",135],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

### AGD 1966 AMG Zone 54,20254

PROJCS["AGD\_1966\_AMG\_Zone\_54",GEOGCS["GCS\_Australian\_1966",DATUM["D\_Australian\_1966",SPHEROID["Australian",6378160,298.25]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",141],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

### AGD 1966 AMG Zone 55,20255

PROJCS["AGD\_1966\_AMG\_Zone\_55",GEOGCS["GCS\_Australian\_1966",DATUM["D\_Australian\_1966",SPHEROID["Australian",6378160,298.25]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",147],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

### AGD 1966 AMG Zone 56,20256

PROJCS["AGD\_1966\_AMG\_Zone\_56",GEOGCS["GCS\_Australian\_1966",DATUM["D\_Australian\_1966",SPHEROID["Australian",6378160,298.25]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",153],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

### AGD 1966 AMG Zone 57,20257

PROJCS["AGD\_1966\_AMG\_Zone\_57",GEOGCS["GCS\_Australian\_1966",DATUM["D\_Australian\_1966",SPHEROID["Australian",6378160,298.25]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",159],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**AGD 1966 AMG Zone 58,20258**

```
PROJCS["AGD_1966_AMG_Zone_58",GEOGCS["GCS_Australian_1966",DATUM["D_Australian_1966",SPHEROID["Australian",6378160,298.25]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",10000000],PARAMETER["Central_Meridian",165],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**AGD 1984 AMG Zone 48,20348**

```
PROJCS["AGD_1984_AMG_Zone_48",GEOGCS["GCS_Australian_1984",DATUM["D_Australian_1984",SPHEROID["Australian",6378160,298.25]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",10000000],PARAMETER["Central_Meridian",105],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**AGD 1984 AMG Zone 49,20349**

```
PROJCS["AGD_1984_AMG_Zone_49",GEOGCS["GCS_Australian_1984",DATUM["D_Australian_1984",SPHEROID["Australian",6378160,298.25]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",10000000],PARAMETER["Central_Meridian",111],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**AGD 1984 AMG Zone 50,20350**

```
PROJCS["AGD_1984_AMG_Zone_50",GEOGCS["GCS_Australian_1984",DATUM["D_Australian_1984",SPHEROID["Australian",6378160,298.25]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",10000000],PARAMETER["Central_Meridian",117],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**AGD 1984 AMG Zone 51,20351**

```
PROJCS["AGD_1984_AMG_Zone_51",GEOGCS["GCS_Australian_1984",DATUM["D_Australian_1984",SPHEROID["Australian",6378160,298.25]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",10000000],PARAMETER["Central_Meridian",123],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**AGD 1984 AMG Zone 52,20352**

```
PROJCS["AGD_1984_AMG_Zone_52",GEOGCS["GCS_Australian_1984",DATUM["D_Australian_1984",SPHEROID["Australian",6378160,298.25]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",10000000],PARAMETER["Central_Meridian",129],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**AGD 1984 AMG Zone 53,20353**

```
PROJCS["AGD_1984_AMG_Zone_53",GEOGCS["GCS_Australian_1984",DATUM["D_Australian_1984",SPHEROID["Australian",6378160,298.25]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",10000000],PARAMETER["Central_Meridian",135],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**AGD 1984 AMG Zone 54,20354**

```
PROJCS["AGD_1984_AMG_Zone_54",GEOGCS["GCS_Australian_1984",DATUM["D_Australian_1984",SPHEROID["Australian",6378160,298.25]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",10000000],PARAMETER["Central_Meridian",141],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**AGD 1984 AMG Zone 55,20355**

```
PROJCS["AGD_1984_AMG_Zone_55",GEOGCS["GCS_Australian_1984",DATUM["D_Australian_1984",SPHEROID["Australian",6378160,298.25]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",10000000],PARAMETER["Central_Meridian",147],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**AGD 1984 AMG Zone 56,20356**

```
PROJCS["AGD_1984_AMG_Zone_56",GEOGCS["GCS_Australian_1984",DATUM["D_Australian_1984",SPHEROID["Australian",6378160,298.25]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",10000000],PARAMETER["Central_Meridian",153],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**AGD 1984 AMG Zone 57,20357**

```
PROJCS["AGD_1984_AMG_Zone_57",GEOGCS["GCS_Australian_1984",DATUM["D_Australian_1984",SPHEROID["Australian",6378160,298.25]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",10000000],PARAMETER["Central_Meridian",159],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

g",500000],PARAMETER["False\_Northing",10000000],PARAMETER["Central\_Meridian",159],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**AGD 1984 AMG Zone 58,20358**

PROJCS["AGD\_1984\_AMG\_Zone\_58",GEOGCS["GCS\_Australian\_1984",DATUM["D\_Australian\_1984",SPHEROID["Australian",6378160,298.25]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",10000000],PARAMETER["Central\_Meridian",165],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**ATS 1977 MTM 4 Nova Scotia,2294**

PROJCS["ATS\_1977\_MTM\_4\_Nova\_Scotia",GEOGCS["GCS\_ATS\_1977",DATUM["D\_ATS\_1977",SPHEROID["ATS\_1977",6378135,298.257]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",4500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-61.5],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**ATS 1977 MTM 5 Nova Scotia,2295**

PROJCS["ATS\_1977\_MTM\_5\_Nova\_Scotia",GEOGCS["GCS\_ATS\_1977",DATUM["D\_ATS\_1977",SPHEROID["ATS\_1977",6378135,298.257]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",5500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-64.5],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**ATS 1977 UTM Zone 19N,2219**

PROJCS["ATS\_1977\_UTM\_Zone\_19N",GEOGCS["GCS\_ATS\_1977",DATUM["D\_ATS\_1977",SPHEROID["ATS\_1977",6378135,298.257]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-69],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**ATS 1977 UTM Zone 20N,2220**

PROJCS["ATS\_1977\_UTM\_Zone\_20N",GEOGCS["GCS\_ATS\_1977",DATUM["D\_ATS\_1977",SPHEROID["ATS\_1977",6378135,298.257]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-63],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Adindan UTM Zone 37N,20137**

PROJCS["Adindan\_UTM\_Zone\_37N",GEOGCS["GCS\_Adindan",DATUM["D\_Adindan",SPHEROID["Clarke\_1880\_RGS",6378249.145,293.465]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",39],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Adindan UTM Zone 38N,20138**

PROJCS["Adindan\_UTM\_Zone\_38N",GEOGCS["GCS\_Adindan",DATUM["D\_Adindan",SPHEROID["Clarke\_1880\_RGS",6378249.145,293.465]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",45],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Afgooye UTM Zone 38N,20538**

PROJCS["Afgooye\_UTM\_Zone\_38N",GEOGCS["GCS\_Afgooye",DATUM["D\_Afgooye",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",45],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Afgooye UTM Zone 39N,20539**

PROJCS["Afgooye\_UTM\_Zone\_39N",GEOGCS["GCS\_Afgooye",DATUM["D\_Afgooye",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",51],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Ain el Abd UTM Zone 37N,20437**

PROJCS["Ain\_el\_Abd\_UTM\_Zone\_37N",GEOGCS["GCS\_Ain\_el\_Abd\_1970",DATUM["D\_Ain\_el\_Abd\_1970",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",39],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Ain el Abd UTM Zone 38N,20438**

PROJCS["Ain\_el\_Abd\_UTM\_Zone\_38N",GEOGCS["GCS\_Ain\_el\_Abd\_1970",DATUM["D\_Ain\_el\_Abd\_1970",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",45],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Ain el Abd UTM Zone 39N,20439**

PROJCS["Ain\_el\_Abd\_UTM\_Zone\_39N",GEOGCS["GCS\_Ain\_el\_Abd\_1970",DATUM["D\_Ain\_el\_Abd\_1970",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",51],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Anguilla 1957 British West Indies Grid,200**

PROJCS["Anguilla\_1957\_British\_West\_Indies\_Grid",GEOGCS["GCS\_Anguilla\_1957",DATUM["D\_Anguilla\_1957",SPHEROID["Clarke\_1880\_RGS",6378249.145,293.465]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",400000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-62],PARAMETER["Scale\_Factor",0.9995000000000001],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Antigua 1943 British West Indies Grid,201**

PROJCS["Antigua\_1943\_British\_West\_Indies\_Grid",GEOGCS["GCS\_Antigua\_1943",DATUM["D\_Antigua\_1943",SPHEROID["Clarke\_1880\_RGS",6378249.145,293.465]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",400000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-62],PARAMETER["Scale\_Factor",0.9995000000000001],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Aratu UTM Zone 22S,20822**

PROJCS["Aratu\_UTM\_Zone\_22S",GEOGCS["GCS\_Aratu",DATUM["D\_Aratu",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",-51],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Aratu UTM Zone 23S,20823**

PROJCS["Aratu\_UTM\_Zone\_23S",GEOGCS["GCS\_Aratu",DATUM["D\_Aratu",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",-45],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Aratu UTM Zone 24S,20824**

PROJCS["Aratu\_UTM\_Zone\_24S",GEOGCS["GCS\_Aratu",DATUM["D\_Aratu",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",-39],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Argentina Zone 1,22191**

PROJCS["Argentina\_Zone\_1",GEOGCS["GCS\_Campo\_Inchauspe",DATUM["D\_Campo\_Inchauspe",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",1500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-72],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",-90],UNIT["Meter",1]]

**Argentina Zone 2,22192**

PROJCS["Argentina\_Zone\_2",GEOGCS["GCS\_Campo\_Inchauspe",DATUM["D\_Campo\_Inchauspe",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",2500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-69],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",-90],UNIT["Meter",1]]

**Argentina Zone 3,22193**

PROJCS["Argentina\_Zone\_3",GEOGCS["GCS\_Campo\_Inchauspe",DATUM["D\_Campo\_Inchauspe",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",3500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-66],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",-90],UNIT["Meter",1]]

**Argentina Zone 4,22194**

PROJCS["Argentina\_Zone\_4",GEOGCS["GCS\_Campo\_Inchauspe",DATUM["D\_Campo\_Inchauspe",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",4500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-63],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",-90],UNIT["Meter",1]]

ng",4500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-63],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",-90],UNIT["Meter",1]]

**Argentina Zone 5,22195**

PROJCS["Argentina\_Zone\_5",GEOGCS["GCS\_Campo\_Inchauspe",DATUM["D\_Campo\_Inchauspe",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",5500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-60],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",-90],UNIT["Meter",1]]

**Argentina Zone 6,22196**

PROJCS["Argentina\_Zone\_6",GEOGCS["GCS\_Campo\_Inchauspe",DATUM["D\_Campo\_Inchauspe",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",6500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-57],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",-90],UNIT["Meter",1]]

**Argentina Zone 7,22197**

PROJCS["Argentina\_Zone\_7",GEOGCS["GCS\_Campo\_Inchauspe",DATUM["D\_Campo\_Inchauspe",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",7500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-54],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",-90],UNIT["Meter",1]]

**Austria Central Zone,31292**

PROJCS["Austria\_Central\_Zone",GEOGCS["GCS\_MGI\_Ferro",DATUM["D\_MGI",SPHEROID["Bessel\_1841",6377397.155,299.1528128]],PRIMEM["Ferro",-17.66666666666667],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",0],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",31],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Austria East Zone,31293**

PROJCS["Austria\_East\_Zone",GEOGCS["GCS\_MGI\_Ferro",DATUM["D\_MGI",SPHEROID["Bessel\_1841",6377397.155,299.1528128]],PRIMEM["Ferro",-17.66666666666667],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",0],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",34],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Austria West Zone,31291**

PROJCS["Austria\_West\_Zone",GEOGCS["GCS\_MGI\_Ferro",DATUM["D\_MGI",SPHEROID["Bessel\_1841",6377397.155,299.1528128]],PRIMEM["Ferro",-17.66666666666667],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",0],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",28],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Bahrain State Grid,20499**

PROJCS["Bahrain\_State\_Grid",GEOGCS["GCS\_Ain\_el\_Abd\_1970",DATUM["D\_Ain\_el\_Abd\_1970",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",51],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Barbados 1938 Barbados Grid,21292**

PROJCS["Barbados\_1938\_Barbados\_Grid",GEOGCS["GCS\_Barbados\_1938",DATUM["D\_Barbados\_1938",SPHEROID["Clarke\_1880\_RGS",6378249.145,293.465]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",30000],PARAMETER["False\_Northing",75000],PARAMETER["Central\_Meridian",-59.55972222222222],PARAMETER["Scale\_Factor",0.9999986],PARAMETER["Latitude\_Of\_Origin",13.17638888888889],UNIT["Meter",1]]

**Barbados 1938 British West Indies Grid,21291**

PROJCS["Barbados\_1938\_British\_West\_Indies\_Grid",GEOGCS["GCS\_Barbados\_1938",DATUM["D\_Barbados\_1938",SPHEROID["Clarke\_1880\_RGS",6378249.145,293.465]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",400000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-62],PARAMETER["Scale\_Factor",0.9995000000000001],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Batavia UTM Zone 48S,21148**

PROJCS["Batavia\_UTM\_Zone\_48S",GEOGCS["GCS\_Batavia",DATUM["D\_Batavia",SPHEROID["Bessel\_1841",6377397.155,299.1528128]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",10000000],PARAMETER["Central\_Meridian",105],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Batavia UTM Zone 49S,21149**

PROJCS["Batavia\_UTM\_Zone\_49S",GEOGCS["GCS\_Batavia",DATUM["D\_Batavia",SPHEROID["Bessel\_1841",6377397.155,299.1528128]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",10000000],PARAMETER["Central\_Meridian",111],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Batavia UTM Zone 50S,21150**

PROJCS["Batavia\_UTM\_Zone\_50S",GEOGCS["GCS\_Batavia",DATUM["D\_Batavia",SPHEROID["Bessel\_1841",6377397.155,299.1528128]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",10000000],PARAMETER["Central\_Meridian",117],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Beijing 1954 GK Zone 13,21413**

PROJCS["Beijing\_1954\_GK\_Zone\_13",GEOGCS["GCS\_Beijing\_1954",DATUM["D\_Beijing\_1954",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",1350000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",75],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Beijing 1954 GK Zone 13N,21473**

PROJCS["Beijing\_1954\_GK\_Zone\_13N",GEOGCS["GCS\_Beijing\_1954",DATUM["D\_Beijing\_1954",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",75],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Beijing 1954 GK Zone 14,21414**

PROJCS["Beijing\_1954\_GK\_Zone\_14",GEOGCS["GCS\_Beijing\_1954",DATUM["D\_Beijing\_1954",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",1450000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",81],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Beijing 1954 GK Zone 14N,21474**

PROJCS["Beijing\_1954\_GK\_Zone\_14N",GEOGCS["GCS\_Beijing\_1954",DATUM["D\_Beijing\_1954",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",81],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Beijing 1954 GK Zone 15,21415**

PROJCS["Beijing\_1954\_GK\_Zone\_15",GEOGCS["GCS\_Beijing\_1954",DATUM["D\_Beijing\_1954",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",1550000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",87],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Beijing 1954 GK Zone 15N,21475**

PROJCS["Beijing\_1954\_GK\_Zone\_15N",GEOGCS["GCS\_Beijing\_1954",DATUM["D\_Beijing\_1954",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",87],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Beijing 1954 GK Zone 16,21416**

PROJCS["Beijing\_1954\_GK\_Zone\_16",GEOGCS["GCS\_Beijing\_1954",DATUM["D\_Beijing\_1954",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",1650000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",93],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Beijing 1954 GK Zone 16N,21476**

PROJCS["Beijing\_1954\_GK\_Zone\_16N",GEOGCS["GCS\_Beijing\_1954",DATUM["D\_Beijing\_1954",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",93],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Beijing 1954 GK Zone 17,21417**

PROJCS["Beijing\_1954\_GK\_Zone\_17",GEOGCS["GCS\_Beijing\_1954",DATUM["D\_Beijing\_1954",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",1750000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",99],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",99],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Beijing 1954 GK Zone 17N,21477**

PROJCS["Beijing\_1954\_GK\_Zone\_17N",GEOGCS["GCS\_Beijing\_1954",DATUM["D\_Beijing\_1954",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",99],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Beijing 1954 GK Zone 18,21418**

PROJCS["Beijing\_1954\_GK\_Zone\_18",GEOGCS["GCS\_Beijing\_1954",DATUM["D\_Beijing\_1954",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",1850000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",105],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Beijing 1954 GK Zone 18N,21478**

PROJCS["Beijing\_1954\_GK\_Zone\_18N",GEOGCS["GCS\_Beijing\_1954",DATUM["D\_Beijing\_1954",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",105],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Beijing 1954 GK Zone 19,21419**

PROJCS["Beijing\_1954\_GK\_Zone\_19",GEOGCS["GCS\_Beijing\_1954",DATUM["D\_Beijing\_1954",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",1950000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",111],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Beijing 1954 GK Zone 19N,21479**

PROJCS["Beijing\_1954\_GK\_Zone\_19N",GEOGCS["GCS\_Beijing\_1954",DATUM["D\_Beijing\_1954",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",111],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Beijing 1954 GK Zone 20,21420**

PROJCS["Beijing\_1954\_GK\_Zone\_20",GEOGCS["GCS\_Beijing\_1954",DATUM["D\_Beijing\_1954",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",2050000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",117],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Beijing 1954 GK Zone 20N,21480**

PROJCS["Beijing\_1954\_GK\_Zone\_20N",GEOGCS["GCS\_Beijing\_1954",DATUM["D\_Beijing\_1954",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",117],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Beijing 1954 GK Zone 21,21421**

PROJCS["Beijing\_1954\_GK\_Zone\_21",GEOGCS["GCS\_Beijing\_1954",DATUM["D\_Beijing\_1954",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",2150000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",123],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Beijing 1954 GK Zone 21N,21481**

PROJCS["Beijing\_1954\_GK\_Zone\_21N",GEOGCS["GCS\_Beijing\_1954",DATUM["D\_Beijing\_1954",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",123],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Beijing 1954 GK Zone 22,21422**

PROJCS["Beijing\_1954\_GK\_Zone\_22",GEOGCS["GCS\_Beijing\_1954",DATUM["D\_Beijing\_1954",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",2250000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",129],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Beijing 1954 GK Zone 22N,21482**

PROJCS["Beijing\_1954\_GK\_Zone\_22N",GEOGCS["GCS\_Beijing\_1954",DATUM["D\_Beijing\_1954",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",129],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Beijing 1954 GK Zone 23,21423**

PROJCS["Beijing\_1954\_GK\_Zone\_23",GEOGCS["GCS\_Beijing\_1954",DATUM["D\_Beijing\_1954",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",2350000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",135],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Beijing 1954 GK Zone 23N,21483**

PROJCS["Beijing\_1954\_GK\_Zone\_23N",GEOGCS["GCS\_Beijing\_1954",DATUM["D\_Beijing\_1954",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",135],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Belge Lambert 1950,21500**

PROJCS["Belge\_Lambert\_1950",GEOGCS["GCS\_Belge\_1950\_Brussels",DATUM["D\_Belge\_1950",SPHEROID["International\_1924",6378388,297]],PRIMEM["Brussels",4.367975],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",1500000],PARAMETER["False\_Northing",5400000],PARAMETER["Central\_Meridian",0],PARAMETER["Standard\_Parallel\_1",49.83333333333334],PARAMETER["Standard\_Parallel\_2",51.16666666666666],PARAMETER["Latitude\_Of\_Origin",90],UNIT["Meter",1]]

**Bogota UTM Zone 17N,21817**

PROJCS["Bogota\_UTM\_Zone\_17N",GEOGCS["GCS\_Bogota",DATUM["D\_Bogota",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-81],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Bogota UTM Zone 18N,21818**

PROJCS["Bogota\_UTM\_Zone\_18N",GEOGCS["GCS\_Bogota",DATUM["D\_Bogota",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-75],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**British National Grid,27700**

PROJCS["British\_National\_Grid",GEOGCS["GCS\_OSGB\_1936",DATUM["D\_OSGB\_1936",SPHEROID["Airy\_1830",6377563.396,299.3249646]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",400000],PARAMETER["False\_Northing",-100000],PARAMETER["Central\_Meridian",-2],PARAMETER["Scale\_Factor",0.999601272],PARAMETER["Latitude\_Of\_Origin",49],UNIT["Meter",1]]

**Camacupa TM 11 30 SE,22091**

PROJCS["Camacupa\_TM\_11\_30\_SE",GEOGCS["GCS\_Camacupa",DATUM["D\_Camacupa",SPHEROID["Clarke\_1880\_RGS",6378249.145,293.465]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",11.5],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Camacupa TM 12 SE,22092**

PROJCS["Camacupa\_TM\_12\_SE",GEOGCS["GCS\_Camacupa",DATUM["D\_Camacupa",SPHEROID["Clarke\_1880\_RGS",6378249.145,293.465]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",12],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Camacupa UTM Zone 32S,22032**

PROJCS["Camacupa\_UTM\_Zone\_32S",GEOGCS["GCS\_Camacupa",DATUM["D\_Camacupa",SPHEROID["Clarke\_1880\_RGS",6378249.145,293.465]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",9],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Camacupa UTM Zone 33S,22033**

PROJCS["Camacupa\_UTM\_Zone\_33S",GEOGCS["GCS\_Camacupa",DATUM["D\_Camacupa",SPHEROID["Clarke\_1880\_RGS",6378249.145,293.465]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_E

asting",500000],PARAMETER["False\_Northing",10000000],PARAMETER["Central\_Meridian",15],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

#### **Carthage UTM Zone 32N,22332**

PROJCS["Carthage\_UTM\_Zone\_32N",GEOGCS["GCS\_Carthage\_Degree",DATUM["D\_Carthage",SPHEROID["Clarke\_1880\_IGN",6378249.2,293.46602]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",9],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

#### **Centre France,27592**

PROJCS["Centre\_France",GEOGCS["GCS\_NTF\_Paris",DATUM["D\_NTF",SPHEROID["Clarke\_1880\_IGN",6378249.2,293.46602]],PRIMEM["Paris",2.337229166666667],UNIT["Grad",0.015707963267948967]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",600000],PARAMETER["False\_Northing",200000],PARAMETER["Central\_Meridian",0],PARAMETER["Standard\_Parallel\_1",52],PARAMETER["Scale\_Factor",0.99987742],PARAMETER["Latitude\_Of\_Origin",52],UNIT["Meter",1]]

#### **Colombia Bogota Zone,21892**

PROJCS["Colombia\_Bogota\_Zone",GEOGCS["GCS\_Bogota",DATUM["D\_Bogota",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",1000000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",-74.0809166666667],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",4.599047222222222],UNIT["Meter",1]]

#### **Colombia East Central Zone,21893**

PROJCS["Colombia\_East\_Central\_Zone",GEOGCS["GCS\_Bogota",DATUM["D\_Bogota",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",1000000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",-71.0809166666667],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",4.599047222222222],UNIT["Meter",1]]

#### **Colombia East Zone,21894**

PROJCS["Colombia\_East\_Zone",GEOGCS["GCS\_Bogota",DATUM["D\_Bogota",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",1000000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",-68.0809166666667],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",4.599047222222222],UNIT["Meter",1]]

#### **Colombia West Zone,21891**

PROJCS["Colombia\_West\_Zone",GEOGCS["GCS\_Bogota",DATUM["D\_Bogota",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",1000000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",-77.0809166666667],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",4.599047222222222],UNIT["Meter",1]]

#### **Corrego Alegre UTM Zone 23S,22523**

PROJCS["Corrego\_Alegre\_UTM\_Zone\_23S",GEOGCS["GCS\_Corrego\_Alegre",DATUM["D\_Corrego\_Alegre",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",-45],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

#### **Corrego Alegre UTM Zone 24S,22524**

PROJCS["Corrego\_Alegre\_UTM\_Zone\_24S",GEOGCS["GCS\_Corrego\_Alegre",DATUM["D\_Corrego\_Alegre",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",-39],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

#### **Corse,27594**

PROJCS["Corse",GEOGCS["GCS\_NTF\_Paris",DATUM["D\_NTF",SPHEROID["Clarke\_1880\_IGN",6378249.2,293.46602]],PRIMEM["Paris",2.337229166666667],UNIT["Grad",0.015707963267948967]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",234.358],PARAMETER["False\_Northing",185861.369],PARAMETER["Central\_Meridian",0],PARAMETER["Standard\_Parallel\_1",46.85],PARAMETER["Scale\_Factor",0.99994471],PARAMETER["Latitude\_Of\_Origin",46.85],UNIT["Meter",1]]

#### **Datum 73 UTM Zone 29N,27429**

PROJCS["Datum\_73\_UTM\_Zone\_29N",GEOGCS["GCS\_Datum\_73",DATUM["D\_Datum\_73",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-9],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Dominica 1945 British West Indies Grid,202**

```
PROJCS["Dominica_1945_British_West_Indies_Grid",GEOGCS["GCS_Dominica_1945",DATUM["D_Dominica_1945",SPHEROID["Clarke_1880_RGS",6378249.145,293.465]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",400000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-62],PARAMETER["Scale_Factor",0.9995000000000001],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**Douala UTM Zone 32N,22832**

```
PROJCS["Douala_UTM_Zone_32N",GEOGCS["GCS_Douala",DATUM["D_Douala",SPHEROID["Clarke_1880_IGN",6378249.2,293.46602]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",9],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**ED 1950 TM 0 N,23090**

```
PROJCS["ED_1950_TM_0_N",GEOGCS["GCS_European_1950",DATUM["D_European_1950",SPHEROID["International_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",0],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**ED 1950 TM 5 NE,23095**

```
PROJCS["ED_1950_TM_5_NE",GEOGCS["GCS_European_1950",DATUM["D_European_1950",SPHEROID["International_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",5],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**ED 1950 UTM Zone 28N,23028**

```
PROJCS["ED_1950_UTM_Zone_28N",GEOGCS["GCS_European_1950",DATUM["D_European_1950",SPHEROID["International_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-15],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**ED 1950 UTM Zone 29N,23029**

```
PROJCS["ED_1950_UTM_Zone_29N",GEOGCS["GCS_European_1950",DATUM["D_European_1950",SPHEROID["International_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-9],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**ED 1950 UTM Zone 30N,23030**

```
PROJCS["ED_1950_UTM_Zone_30N",GEOGCS["GCS_European_1950",DATUM["D_European_1950",SPHEROID["International_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-3],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**ED 1950 UTM Zone 31N,23031**

```
PROJCS["ED_1950_UTM_Zone_31N",GEOGCS["GCS_European_1950",DATUM["D_European_1950",SPHEROID["International_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",3],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**ED 1950 UTM Zone 32N,23032**

```
PROJCS["ED_1950_UTM_Zone_32N",GEOGCS["GCS_European_1950",DATUM["D_European_1950",SPHEROID["International_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",9],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**ED 1950 UTM Zone 33N,23033**

```
PROJCS["ED_1950_UTM_Zone_33N",GEOGCS["GCS_European_1950",DATUM["D_European_1950",SPHEROID["International_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",15],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**ED 1950 UTM Zone 34N,23034**

```
PROJCS["ED_1950_UTM_Zone_34N",GEOGCS["GCS_European_1950",DATUM["D_European_1950",SPHEROID["International_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_E
```

asting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",21],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**ED 1950 UTM Zone 35N,23035**

PROJCS["ED\_1950\_UTM\_Zone\_35N",GEOGCS["GCS\_European\_1950",DATUM["D\_European\_1950",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",27],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**ED 1950 UTM Zone 36N,23036**

PROJCS["ED\_1950\_UTM\_Zone\_36N",GEOGCS["GCS\_European\_1950",DATUM["D\_European\_1950",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",33],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**ED 1950 UTM Zone 37N,23037**

PROJCS["ED\_1950\_UTM\_Zone\_37N",GEOGCS["GCS\_European\_1950",DATUM["D\_European\_1950",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",39],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**ED 1950 UTM Zone 38N,23038**

PROJCS["ED\_1950\_UTM\_Zone\_38N",GEOGCS["GCS\_European\_1950",DATUM["D\_European\_1950",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",45],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**ETRF 1989 TM Baltic 1993,25884**

PROJCS["ETRF\_1989\_TM\_Baltic\_1993",GEOGCS["GCS\_ETRF\_1989",DATUM["D\_ETRF\_1989",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",24],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**ETRF 1989 UTM Zone 28N,25828**

PROJCS["ETRF\_1989\_UTM\_Zone\_28N",GEOGCS["GCS\_ETRF\_1989",DATUM["D\_ETRF\_1989",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-15],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**ETRF 1989 UTM Zone 29N,25829**

PROJCS["ETRF\_1989\_UTM\_Zone\_29N",GEOGCS["GCS\_ETRF\_1989",DATUM["D\_ETRF\_1989",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-9],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**ETRF 1989 UTM Zone 30N,25830**

PROJCS["ETRF\_1989\_UTM\_Zone\_30N",GEOGCS["GCS\_ETRF\_1989",DATUM["D\_ETRF\_1989",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-3],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**ETRF 1989 UTM Zone 31N,25831**

PROJCS["ETRF\_1989\_UTM\_Zone\_31N",GEOGCS["GCS\_ETRF\_1989",DATUM["D\_ETRF\_1989",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",3],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**ETRF 1989 UTM Zone 32N,25832**

PROJCS["ETRF\_1989\_UTM\_Zone\_32N",GEOGCS["GCS\_ETRF\_1989",DATUM["D\_ETRF\_1989",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",9],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**ETRF 1989 UTM Zone 33N,25833**

```
PROJCS["ETRF_1989_UTM_Zone_33N",GEOGCS["GCS_ETRF_1989",DATUM["D_ETRF_1989",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",15],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**ETRF 1989 UTM Zone 34N,25834**

```
PROJCS["ETRF_1989_UTM_Zone_34N",GEOGCS["GCS_ETRF_1989",DATUM["D_ETRF_1989",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",21],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**ETRF 1989 UTM Zone 35N,25835**

```
PROJCS["ETRF_1989_UTM_Zone_35N",GEOGCS["GCS_ETRF_1989",DATUM["D_ETRF_1989",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",27],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**ETRF 1989 UTM Zone 36N,25836**

```
PROJCS["ETRF_1989_UTM_Zone_36N",GEOGCS["GCS_ETRF_1989",DATUM["D_ETRF_1989",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",33],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**ETRF 1989 UTM Zone 37N,25837**

```
PROJCS["ETRF_1989_UTM_Zone_37N",GEOGCS["GCS_ETRF_1989",DATUM["D_ETRF_1989",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",39],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**ETRF 1989 UTM Zone 38N,25838**

```
PROJCS["ETRF_1989_UTM_Zone_38N",GEOGCS["GCS_ETRF_1989",DATUM["D_ETRF_1989",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",45],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**Egypt Blue Belt,22991**

```
PROJCS["Egypt_Blue_Belt",GEOGCS["GCS_Egypt_1907",DATUM["D_Egypt_1907",SPHEROID["Helmert_1906",6378200,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",300000],PARAMETER["False_Northing",1100000],PARAMETER["Central_Meridian",35],PARAMETER["Scale_Factor",1],PARAMETER["Latitude_Of_Origin",30],UNIT["Meter",1]]
```

**Egypt Extended Purple Belt,22994**

```
PROJCS["Egypt_Extended_Purple_Belt",GEOGCS["GCS_Egypt_1907",DATUM["D_Egypt_1907",SPHEROID["Helmert_1906",6378200,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",700000],PARAMETER["False_Northing",1200000],PARAMETER["Central_Meridian",27],PARAMETER["Scale_Factor",1],PARAMETER["Latitude_Of_Origin",30],UNIT["Meter",1]]
```

**Egypt Purple Belt,22993**

```
PROJCS["Egypt_Purple_Belt",GEOGCS["GCS_Egypt_1907",DATUM["D_Egypt_1907",SPHEROID["Helmert_1906",6378200,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",700000],PARAMETER["False_Northing",200000],PARAMETER["Central_Meridian",27],PARAMETER["Scale_Factor",1],PARAMETER["Latitude_Of_Origin",30],UNIT["Meter",1]]
```

**Egypt Red Belt,22992**

```
PROJCS["Egypt_Red_Belt",GEOGCS["GCS_Egypt_1907",DATUM["D_Egypt_1907",SPHEROID["Helmert_1906",6378200,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",615000],PARAMETER["False_Northing",810000],PARAMETER["Central_Meridian",31],PARAMETER["Scale_Factor",1],PARAMETER["Latitude_Of_Origin",30],UNIT["Meter",1]]
```

**Estonian Coordinate System of 1992,3300**

```
PROJCS["Estonian_Coordinate_System_of_1992",GEOGCS["GCS_Estonia_1992",DATUM["D_Estonia_1992",SPHEROID["GRS_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert_Conformal_Conic"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",500000],PARAMETER["Central_Meridian",25],PARAMETER["Scale_Factor",1],PARAMETER["Latitude_Of_Origin",59],UNIT["Meter",1]]
```

METER["False\_Easting",500000],PARAMETER["False\_Northing",6375000],PARAMETER["Central\_Meridian",24],PARAMETER["Standard\_Parallel\_1",58],PARAMETER["Standard\_Parallel\_2",59.33333333333334],PARAMETER["Latitude\_Of\_Origin",57.51755393055556],UNIT["Meter",1]]

**FD 1958 Iraq,3200**

PROJCS["FD\_1958\_Iraq",GEOGCS["GCS\_FD\_1958",DATUM["D\_FD\_1958",SPHEROID["Clarke\_1880\_RGS",6378249.145,293.465]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",1500000],PARAMETER["False\_Northing",1166200],PARAMETER["Central\_Meridian",45],PARAMETER["Standard\_Parallel\_1",32.5],PARAMETER["Scale\_Factor",0.9987864077700001],PARAMETER["Latitude\_Of\_Origin",32.5],UNIT["Meter",1]]

**Fahud UTM Zone 39N,23239**

PROJCS["Fahud\_UTM\_Zone\_39N",GEOGCS["GCS\_Fahud",DATUM["D\_Fahud",SPHEROID["Clarke\_1880\_RGS",6378249.145,293.465]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",51],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Fahud UTM Zone 40N,23240**

PROJCS["Fahud\_UTM\_Zone\_40N",GEOGCS["GCS\_Fahud",DATUM["D\_Fahud",SPHEROID["Clarke\_1880\_RGS",6378249.145,293.465]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",57],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Finland Zone 1,2391**

PROJCS["Finland\_Zone\_1",GEOGCS["GCS\_KKJ",DATUM["D\_KKJ",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",1500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",21],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Finland Zone 2,2392**

PROJCS["Finland\_Zone\_2",GEOGCS["GCS\_KKJ",DATUM["D\_KKJ",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",2500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",24],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Finland Zone 3,2393**

PROJCS["Finland\_Zone\_3",GEOGCS["GCS\_KKJ",DATUM["D\_KKJ",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",3500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",27],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Finland Zone 4,2394**

PROJCS["Finland\_Zone\_4",GEOGCS["GCS\_KKJ",DATUM["D\_KKJ",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",4500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",30],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**France I,27581**

PROJCS["France\_I",GEOGCS["GCS\_NTF\_Paris",DATUM["D\_NTF",SPHEROID["Clarke\_1880\_IGN",6378249.2,293.46602]],PRIMEM["Paris",2.337229166666667],UNIT["Grad",0.015707963267948967]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",600000],PARAMETER["False\_Northing",1200000],PARAMETER["Central\_Meridian",0],PARAMETER["Standard\_Parallel\_1",55],PARAMETER["Scale\_Factor",0.999877341],PARAMETER["Latitude\_Of\_Origin",55],UNIT["Meter",1]]

**France II,27582**

PROJCS["France\_II",GEOGCS["GCS\_NTF\_Paris",DATUM["D\_NTF",SPHEROID["Clarke\_1880\_IGN",6378249.2,293.46602]],PRIMEM["Paris",2.337229166666667],UNIT["Grad",0.015707963267948967]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",600000],PARAMETER["False\_Northing",2200000],PARAMETER["Central\_Meridian",0],PARAMETER["Standard\_Parallel\_1",52],PARAMETER["Scale\_Factor",0.99987742],PARAMETER["Latitude\_Of\_Origin",52],UNIT["Meter",1]]

**France III,27583**

PROJCS["France\_III",GEOGCS["GCS\_NTF\_Paris",DATUM["D\_NTF",SPHEROID["Clarke\_1880\_IGN",6378249.2,293.46602]],PRIMEM["Paris",2.337229166666667],UNIT["Grad",0.015707963267948967]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",600000],PARAMETER["False\_Northing",3200000],PARAMETER["Central\_Meridian",0],PARAMETER["Standard\_Parallel\_1",49],PARAMETER["Scale\_Factor",0.999877499],PARAMETER["Latitude\_Of\_Origin",49],UNIT["Meter",1]]

**France IV,27584**

PROJCS["France\_IV",GEOGCS["GCS\_NTF\_Paris",DATUM["D\_NTF",SPHEROID["Clarke\_1880\_IGN",6378249.2,293.46602]],PRIMEM["Paris",2.337229166666667],UNIT["Grad",0.015707963267948967]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2

34.358],PARAMETER["False\_Northing",4185861.369],PARAMETER["Central\_Meridian",0],PARAMETER["Standard\_Parallel\_1",46.85],PARAMETER["Scale\_Factor",0.99994471],PARAMETER["Latitude\_Of\_Origin",46.85],UNIT["Meter",1]]

**GDA 1994 MGA Zone 48,28348**

PROJCS["GDA\_1994\_MGA\_Zone\_48",GEOGCS["GCS\_GDA\_1994",DATUM["D\_GDA\_1994",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",105],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**GDA 1994 MGA Zone 49,28349**

PROJCS["GDA\_1994\_MGA\_Zone\_49",GEOGCS["GCS\_GDA\_1994",DATUM["D\_GDA\_1994",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",111],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**GDA 1994 MGA Zone 50,28350**

PROJCS["GDA\_1994\_MGA\_Zone\_50",GEOGCS["GCS\_GDA\_1994",DATUM["D\_GDA\_1994",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",117],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**GDA 1994 MGA Zone 51,28351**

PROJCS["GDA\_1994\_MGA\_Zone\_51",GEOGCS["GCS\_GDA\_1994",DATUM["D\_GDA\_1994",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",123],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**GDA 1994 MGA Zone 52,28352**

PROJCS["GDA\_1994\_MGA\_Zone\_52",GEOGCS["GCS\_GDA\_1994",DATUM["D\_GDA\_1994",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",129],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**GDA 1994 MGA Zone 53,28353**

PROJCS["GDA\_1994\_MGA\_Zone\_53",GEOGCS["GCS\_GDA\_1994",DATUM["D\_GDA\_1994",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",135],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**GDA 1994 MGA Zone 54,28354**

PROJCS["GDA\_1994\_MGA\_Zone\_54",GEOGCS["GCS\_GDA\_1994",DATUM["D\_GDA\_1994",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",141],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**GDA 1994 MGA Zone 55,28355**

PROJCS["GDA\_1994\_MGA\_Zone\_55",GEOGCS["GCS\_GDA\_1994",DATUM["D\_GDA\_1994",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",147],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**GDA 1994 MGA Zone 56,28356**

PROJCS["GDA\_1994\_MGA\_Zone\_56",GEOGCS["GCS\_GDA\_1994",DATUM["D\_GDA\_1994",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",153],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**GDA 1994 MGA Zone 57,28357**

PROJCS["GDA\_1994\_MGA\_Zone\_57",GEOGCS["GCS\_GDA\_1994",DATUM["D\_GDA\_1994",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",159],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**GDA 1994 MGA Zone 58,28358**

```
PROJCS["GDA_1994_MGA_Zone_58",GEOGCS["GCS_GDA_1994",DATUM["D_GDA_1994",SPHEROID["GRS_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",1000000],PARAMETER["Central_Meridian",165],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**Garoua UTM Zone 33N,23433**

```
PROJCS["Garoua_UTM_Zone_33N",GEOGCS["GCS_Garoua",DATUM["D_Garoua",SPHEROID["Clarke_1880_IGN",6378249.2,293.46602]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",15],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**Germany Zone 1,31491**

```
PROJCS["Germany_Zone_1",GEOGCS["GCS_Deutsche_Hauptdreiecksnetz",DATUM["D_Deutsche_Hauptdreiecksnetz",SPHEROID["Bessel_1841",6377397.155,299.1528128]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",1500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",3],PARAMETER["Scale_Factor",1],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**Germany Zone 2,31492**

```
PROJCS["Germany_Zone_2",GEOGCS["GCS_Deutsche_Hauptdreiecksnetz",DATUM["D_Deutsche_Hauptdreiecksnetz",SPHEROID["Bessel_1841",6377397.155,299.1528128]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",2500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",6],PARAMETER["Scale_Factor",1],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**Germany Zone 3,31493**

```
PROJCS["Germany_Zone_3",GEOGCS["GCS_Deutsche_Hauptdreiecksnetz",DATUM["D_Deutsche_Hauptdreiecksnetz",SPHEROID["Bessel_1841",6377397.155,299.1528128]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",3500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",9],PARAMETER["Scale_Factor",1],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**Germany Zone 4,31494**

```
PROJCS["Germany_Zone_4",GEOGCS["GCS_Deutsche_Hauptdreiecksnetz",DATUM["D_Deutsche_Hauptdreiecksnetz",SPHEROID["Bessel_1841",6377397.155,299.1528128]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",4500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",12],PARAMETER["Scale_Factor",1],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**Germany Zone 5,31495**

```
PROJCS["Germany_Zone_5",GEOGCS["GCS_Deutsche_Hauptdreiecksnetz",DATUM["D_Deutsche_Hauptdreiecksnetz",SPHEROID["Bessel_1841",6377397.155,299.1528128]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",5500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",15],PARAMETER["Scale_Factor",1],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**Ghana Metre Grid,25000**

```
PROJCS["Ghana_Metre_Grid",GEOGCS["GCS_Leigon",DATUM["D_Leigon",SPHEROID["Clarke_1880_RGS",6378249.145,293.465]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",274319.51],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-1],PARAMETER["Scale_Factor",0.99975],PARAMETER["Latitude_Of_Origin",4.666666666666667],UNIT["Meter",1]]
```

**Greek Grid,2100**

```
PROJCS["Greek_Grid",GEOGCS["GCS_GGRS_1987",DATUM["D_GGRS_1987",SPHEROID["GRS_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",24],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**Grenada 1953 British West Indies Grid,203**

```
PROJCS["Grenada_1953_British_West_Indies_Grid",GEOGCS["GCS_Grenada_1953",DATUM["D_Grenada_1953",SPHEROID["Clarke_1880_RGS",6378249.145,293.465]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",400000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-62],PARAMETER["Scale_Factor",0.9995000000000001],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**India Zone 0,24370**

```
PROJCS["India_Zone_0",GEOGCS["GCS_Kalianpur",DATUM["D_Kalianpur",SPHEROID["Everest_Definition_1975",6377301.243,300.8017]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert_Conformal_Conic"],PARAMETER["False_Easting",
```

],2355500],PARAMETER["False\_Northing",2590000],PARAMETER["Central\_Meridian",68],PARAMETER["Standard\_Parallel\_1",32.5],PARAMETER["Scale\_Factor",0.9984615384615],PARAMETER["Latitude\_Of\_Origin",32.5],UNIT["Meter",1]]

**India Zone I,24371**

PROJCS["India\_Zone\_I",GEOGCS["GCS\_Kalianpur",DATUM["D\_Kalianpur",SPHEROID["Everest\_Definition\_1975",6377301.243,300.8017]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",3000000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",68],PARAMETER["Standard\_Parallel\_1",32.5],PARAMETER["Scale\_Factor",0.998786407767],PARAMETER["Latitude\_Of\_Origin",32.5],UNIT["Meter",1]]

**India Zone IIIa,24373**

PROJCS["India\_Zone\_IIIa",GEOGCS["GCS\_Kalianpur",DATUM["D\_Kalianpur",SPHEROID["Everest\_Definition\_1975",6377301.243,300.8017]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",3000000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",80],PARAMETER["Standard\_Parallel\_1",19],PARAMETER["Scale\_Factor",0.998786407767],PARAMETER["Latitude\_Of\_Origin",19],UNIT["Meter",1]]

**India Zone IIIb,24383**

PROJCS["India\_Zone\_IIIb",GEOGCS["GCS\_Kalianpur",DATUM["D\_Kalianpur",SPHEROID["Everest\_Definition\_1975",6377301.243,300.8017]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",3000000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",100],PARAMETER["Standard\_Parallel\_1",19],PARAMETER["Scale\_Factor",0.998786407767],PARAMETER["Latitude\_Of\_Origin",19],UNIT["Meter",1]]

**India Zone IIa,24372**

PROJCS["India\_Zone\_IIa",GEOGCS["GCS\_Kalianpur",DATUM["D\_Kalianpur",SPHEROID["Everest\_Definition\_1975",6377301.243,300.8017]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",3000000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",74],PARAMETER["Standard\_Parallel\_1",26],PARAMETER["Scale\_Factor",0.998786407767],PARAMETER["Latitude\_Of\_Origin",26],UNIT["Meter",1]]

**India Zone IIb,24382**

PROJCS["India\_Zone\_IIb",GEOGCS["GCS\_Kalianpur",DATUM["D\_Kalianpur",SPHEROID["Everest\_Definition\_1975",6377301.243,300.8017]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",3000000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",74],PARAMETER["Standard\_Parallel\_1",26],PARAMETER["Scale\_Factor",0.998786407767],PARAMETER["Latitude\_Of\_Origin",26],UNIT["Meter",1]]

**India Zone IVa,24374**

PROJCS["India\_Zone\_IVa",GEOGCS["GCS\_Kalianpur",DATUM["D\_Kalianpur",SPHEROID["Everest\_Definition\_1975",6377301.243,300.8017]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",3000000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",80],PARAMETER["Standard\_Parallel\_1",12],PARAMETER["Scale\_Factor",0.998786407767],PARAMETER["Latitude\_Of\_Origin",12],UNIT["Meter",1]]

**India Zone IVb,24384**

PROJCS["India\_Zone\_IVb",GEOGCS["GCS\_Kalianpur",DATUM["D\_Kalianpur",SPHEROID["Everest\_Definition\_1975",6377301.243,300.8017]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",3000000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",104],PARAMETER["Standard\_Parallel\_1",12],PARAMETER["Scale\_Factor",0.998786407767],PARAMETER["Latitude\_Of\_Origin",12],UNIT["Meter",1]]

**Indian 1954 UTM Zone 47N,23947**

PROJCS["Indian\_1954\_UTM\_Zone\_47N",GEOGCS["GCS\_Indian\_1954",DATUM["D\_Indian\_1954",SPHEROID["Everest\_Adjustment\_1937",6377276.345,300.8017]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",99],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Indian 1954 UTM Zone 48N,23948**

PROJCS["Indian\_1954\_UTM\_Zone\_48N",GEOGCS["GCS\_Indian\_1954",DATUM["D\_Indian\_1954",SPHEROID["Everest\_Adjustment\_1937",6377276.345,300.8017]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",105],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Indian 1960 TM 106NE,3176**

PROJCS["Indian\_1960\_TM\_106NE",GEOGCS["GCS\_Indian\_1960",DATUM["D\_Indian\_1960",SPHEROID["Everest\_Adjustment\_1937",6377276.345,300.8017]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",106],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Indian 1960 UTM Zone 48N,3148**

```
PROJCS["Indian_1960_UTM_Zone_48N",GEOGCS["GCS_Indian_1960",DATUM["D_Indian_1960",SPHEROID["Everest_Adjustment_1937",6377276.345,300.8017]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",105],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**Indian 1960 UTM Zone 49N,3149**

```
PROJCS["Indian_1960_UTM_Zone_49N",GEOGCS["GCS_Indian_1960",DATUM["D_Indian_1960",SPHEROID["Everest_Adjustment_1937",6377276.345,300.8017]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",111],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**Indian 1975 UTM Zone 47N,24047**

```
PROJCS["Indian_1975_UTM_Zone_47N",GEOGCS["GCS_Indian_1975",DATUM["D_Indian_1975",SPHEROID["Everest_Adjustment_1937",6377276.345,300.8017]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",99],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**Indian 1975 UTM Zone 48N,24048**

```
PROJCS["Indian_1975_UTM_Zone_48N",GEOGCS["GCS_Indian_1975",DATUM["D_Indian_1975",SPHEROID["Everest_Adjustment_1937",6377276.345,300.8017]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",105],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**Indonesian 1974 UTM Zone 46N,23846**

```
PROJCS["Indonesian_1974_UTM_Zone_46N",GEOGCS["GCS_Indonesian_1974",DATUM["D_Indonesian_1974",SPHEROID["Indonesian",6378160,298.247]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",93],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**Indonesian 1974 UTM Zone 46S,23886**

```
PROJCS["Indonesian_1974_UTM_Zone_46S",GEOGCS["GCS_Indonesian_1974",DATUM["D_Indonesian_1974",SPHEROID["Indonesian",6378160,298.247]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",1000000],PARAMETER["Central_Meridian",93],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**Indonesian 1974 UTM Zone 47N,23847**

```
PROJCS["Indonesian_1974_UTM_Zone_47N",GEOGCS["GCS_Indonesian_1974",DATUM["D_Indonesian_1974",SPHEROID["Indonesian",6378160,298.247]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",99],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**Indonesian 1974 UTM Zone 47S,23887**

```
PROJCS["Indonesian_1974_UTM_Zone_47S",GEOGCS["GCS_Indonesian_1974",DATUM["D_Indonesian_1974",SPHEROID["Indonesian",6378160,298.247]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",1000000],PARAMETER["Central_Meridian",99],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**Indonesian 1974 UTM Zone 48N,23848**

```
PROJCS["Indonesian_1974_UTM_Zone_48N",GEOGCS["GCS_Indonesian_1974",DATUM["D_Indonesian_1974",SPHEROID["Indonesian",6378160,298.247]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",105],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**Indonesian 1974 UTM Zone 48S,23888**

```
PROJCS["Indonesian_1974_UTM_Zone_48S",GEOGCS["GCS_Indonesian_1974",DATUM["D_Indonesian_1974",SPHEROID["Indonesian",6378160,298.247]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",1000000],PARAMETER["Central_Meridian",105],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**Indonesian 1974 UTM Zone 49N,23849**

```
PROJCS["Indonesian_1974_UTM_Zone_49N",GEOGCS["GCS_Indonesian_1974",DATUM["D_Indonesian_1974",SPHEROID["Indonesian",6378160,298.247]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",105],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

alse\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",111],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Indonesian 1974 UTM Zone 49S,23889**

PROJCS["Indonesian\_1974\_UTM\_Zone\_49S",GEOGCS["GCS\_Indonesian\_1974",DATUM["D\_Indonesian\_1974",SPHEROID["Indonesian",6378160,298.247]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",111],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Indonesian 1974 UTM Zone 50N,23850**

PROJCS["Indonesian\_1974\_UTM\_Zone\_50N",GEOGCS["GCS\_Indonesian\_1974",DATUM["D\_Indonesian\_1974",SPHEROID["Indonesian",6378160,298.247]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",117],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Indonesian 1974 UTM Zone 50S,23890**

PROJCS["Indonesian\_1974\_UTM\_Zone\_50S",GEOGCS["GCS\_Indonesian\_1974",DATUM["D\_Indonesian\_1974",SPHEROID["Indonesian",6378160,298.247]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",117],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Indonesian 1974 UTM Zone 51N,23851**

PROJCS["Indonesian\_1974\_UTM\_Zone\_51N",GEOGCS["GCS\_Indonesian\_1974",DATUM["D\_Indonesian\_1974",SPHEROID["Indonesian",6378160,298.247]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",123],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Indonesian 1974 UTM Zone 51S,23891**

PROJCS["Indonesian\_1974\_UTM\_Zone\_51S",GEOGCS["GCS\_Indonesian\_1974",DATUM["D\_Indonesian\_1974",SPHEROID["Indonesian",6378160,298.247]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",123],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Indonesian 1974 UTM Zone 52N,23852**

PROJCS["Indonesian\_1974\_UTM\_Zone\_52N",GEOGCS["GCS\_Indonesian\_1974",DATUM["D\_Indonesian\_1974",SPHEROID["Indonesian",6378160,298.247]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",129],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Indonesian 1974 UTM Zone 52S,23892**

PROJCS["Indonesian\_1974\_UTM\_Zone\_52S",GEOGCS["GCS\_Indonesian\_1974",DATUM["D\_Indonesian\_1974",SPHEROID["Indonesian",6378160,298.247]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",129],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Indonesian 1974 UTM Zone 53N,23853**

PROJCS["Indonesian\_1974\_UTM\_Zone\_53N",GEOGCS["GCS\_Indonesian\_1974",DATUM["D\_Indonesian\_1974",SPHEROID["Indonesian",6378160,298.247]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",135],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Indonesian 1974 UTM Zone 53S,23893**

PROJCS["Indonesian\_1974\_UTM\_Zone\_53S",GEOGCS["GCS\_Indonesian\_1974",DATUM["D\_Indonesian\_1974",SPHEROID["Indonesian",6378160,298.247]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",135],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Indonesian 1974 UTM Zone 54S,23894**

PROJCS["Indonesian\_1974\_UTM\_Zone\_54S",GEOGCS["GCS\_Indonesian\_1974",DATUM["D\_Indonesian\_1974",SPHEROID["Indonesian",6378160,298.247]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",141],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Irish National Grid,29900**

```
PROJCS["Irish_National_Grid",GEOGCS["GCS_TM65",DATUM["D_TM65",SPHEROID["Airy_Modified",6377340.189,299.3249646]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",200000],PARAMETER["False_Northing",250000],PARAMETER["Central_Meridian",-8],PARAMETER["Scale_Factor",1.000035],PARAMETER["Latitude_Of_Origin",53.5],UNIT["Meter",1]]
```

**Jamaica 1875 Old Grid,24100**

```
PROJCS["Jamaica_1875_Old_Grid",GEOGCS["GCS_Jamaica_1875",DATUM["D_Jamaica_1875",SPHEROID["Clarke_1880",6378249.138,293.466307656]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert_Conformal_Conic"],PARAMETER["False_Easting",550000],PARAMETER["False_Northing",400000],PARAMETER["Central_Meridian",-77],PARAMETER["Standard_Parallel_1",18],PARAMETER["Scale_Factor",1],PARAMETER["Latitude_Of_Origin",18],UNIT["Meter",1]]
```

**Jamaica Grid,24200**

```
PROJCS["Jamaica_Grid",GEOGCS["GCS_Jamaica_1969",DATUM["D_Jamaica_1969",SPHEROID["Clarke_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert_Conformal_Conic"],PARAMETER["False_Easting",250000],PARAMETER["False_Northing",150000],PARAMETER["Central_Meridian",-77],PARAMETER["Standard_Parallel_1",18],PARAMETER["Scale_Factor",1],PARAMETER["Latitude_Of_Origin",18],UNIT["Meter",1]]
```

**Japan Zone 1,30161**

```
PROJCS["Japan_Zone_1",GEOGCS["GCS_Tokyo",DATUM["D_Tokyo",SPHEROID["Bessel_1841",6377397.155,299.1528128]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",0],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",129.5],PARAMETER["Scale_Factor",0.9999],PARAMETER["Latitude_Of_Origin",33],UNIT["Meter",1]]
```

**Japan Zone 10,30170**

```
PROJCS["Japan_Zone_10",GEOGCS["GCS_Tokyo",DATUM["D_Tokyo",SPHEROID["Bessel_1841",6377397.155,299.1528128]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",0],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",140.8333333333333],PARAMETER["Scale_Factor",0.9999],PARAMETER["Latitude_Of_Origin",40],UNIT["Meter",1]]
```

**Japan Zone 11,30171**

```
PROJCS["Japan_Zone_11",GEOGCS["GCS_Tokyo",DATUM["D_Tokyo",SPHEROID["Bessel_1841",6377397.155,299.1528128]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",0],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",140.25],PARAMETER["Scale_Factor",0.9999],PARAMETER["Latitude_Of_Origin",44],UNIT["Meter",1]]
```

**Japan Zone 12,30172**

```
PROJCS["Japan_Zone_12",GEOGCS["GCS_Tokyo",DATUM["D_Tokyo",SPHEROID["Bessel_1841",6377397.155,299.1528128]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",0],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",142.25],PARAMETER["Scale_Factor",0.9999],PARAMETER["Latitude_Of_Origin",44],UNIT["Meter",1]]
```

**Japan Zone 13,30173**

```
PROJCS["Japan_Zone_13",GEOGCS["GCS_Tokyo",DATUM["D_Tokyo",SPHEROID["Bessel_1841",6377397.155,299.1528128]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",0],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",144.25],PARAMETER["Scale_Factor",0.9999],PARAMETER["Latitude_Of_Origin",44],UNIT["Meter",1]]
```

**Japan Zone 14,30174**

```
PROJCS["Japan_Zone_14",GEOGCS["GCS_Tokyo",DATUM["D_Tokyo",SPHEROID["Bessel_1841",6377397.155,299.1528128]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",0],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",142],PARAMETER["Scale_Factor",0.9999],PARAMETER["Latitude_Of_Origin",26],UNIT["Meter",1]]
```

**Japan Zone 15,30175**

```
PROJCS["Japan_Zone_15",GEOGCS["GCS_Tokyo",DATUM["D_Tokyo",SPHEROID["Bessel_1841",6377397.155,299.1528128]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",0],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",127.5],PARAMETER["Scale_Factor",0.9999],PARAMETER["Latitude_Of_Origin",26],UNIT["Meter",1]]
```

**Japan Zone 16,30176**

```
PROJCS["Japan_Zone_16",GEOGCS["GCS_Tokyo",DATUM["D_Tokyo",SPHEROID["Bessel_1841",6377397.155,299.1528128]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",0],PARAMETER
```

[ "False\_Northing",0],PARAMETER["Central\_Meridian",124],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",26],UNIT["Meter",1]]

**Japan Zone 17,30177**

PROJCS["Japan\_Zone\_17",GEOGCS["GCS\_Tokyo",DATUM["D\_Tokyo",SPHEROID["Bessel\_1841",6377397.155,299.1528128]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",0],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",131],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",26],UNIT["Meter",1]]

**Japan Zone 18,30178**

PROJCS["Japan\_Zone\_18",GEOGCS["GCS\_Tokyo",DATUM["D\_Tokyo",SPHEROID["Bessel\_1841",6377397.155,299.1528128]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",0],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",136],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",20],UNIT["Meter",1]]

**Japan Zone 19,30179**

PROJCS["Japan\_Zone\_19",GEOGCS["GCS\_Tokyo",DATUM["D\_Tokyo",SPHEROID["Bessel\_1841",6377397.155,299.1528128]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",0],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",154],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",26],UNIT["Meter",1]]

**Japan Zone 2,30162**

PROJCS["Japan\_Zone\_2",GEOGCS["GCS\_Tokyo",DATUM["D\_Tokyo",SPHEROID["Bessel\_1841",6377397.155,299.1528128]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",0],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",131],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",33],UNIT["Meter",1]]

**Japan Zone 3,30163**

PROJCS["Japan\_Zone\_3",GEOGCS["GCS\_Tokyo",DATUM["D\_Tokyo",SPHEROID["Bessel\_1841",6377397.155,299.1528128]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",0],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",132.1666666666667],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",36],UNIT["Meter",1]]

**Japan Zone 4,30164**

PROJCS["Japan\_Zone\_4",GEOGCS["GCS\_Tokyo",DATUM["D\_Tokyo",SPHEROID["Bessel\_1841",6377397.155,299.1528128]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",0],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",133.5],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",33],UNIT["Meter",1]]

**Japan Zone 5,30165**

PROJCS["Japan\_Zone\_5",GEOGCS["GCS\_Tokyo",DATUM["D\_Tokyo",SPHEROID["Bessel\_1841",6377397.155,299.1528128]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",0],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",134.3333333333333],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",36],UNIT["Meter",1]]

**Japan Zone 6,30166**

PROJCS["Japan\_Zone\_6",GEOGCS["GCS\_Tokyo",DATUM["D\_Tokyo",SPHEROID["Bessel\_1841",6377397.155,299.1528128]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",0],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",136],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",36],UNIT["Meter",1]]

**Japan Zone 7,30167**

PROJCS["Japan\_Zone\_7",GEOGCS["GCS\_Tokyo",DATUM["D\_Tokyo",SPHEROID["Bessel\_1841",6377397.155,299.1528128]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",0],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",137.1666666666667],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",36],UNIT["Meter",1]]

**Japan Zone 8,30168**

PROJCS["Japan\_Zone\_8",GEOGCS["GCS\_Tokyo",DATUM["D\_Tokyo",SPHEROID["Bessel\_1841",6377397.155,299.1528128]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",0],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",138.5],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",36],UNIT["Meter",1]]

**Japan Zone 9,30169**

PROJCS["Japan\_Zone\_9",GEOGCS["GCS\_Tokyo",DATUM["D\_Tokyo",SPHEROID["Bessel\_1841",6377397.155,299.1528128]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",0],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",139.8333333333333],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",36],UNIT["Meter",1]]

**KOC Lambert,24600**

PROJCS["KOC\_Lambert",GEOGCS["GCS\_Kuwait\_Oil\_Company",DATUM["D\_Kuwait\_Oil\_Company",SPHEROID["Clarke\_1880\_RGS",6378249.145,293.465]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",1500000],PARAMETER["False\_Northing",1166200],PARAMETER["Central\_Meridian",45],PARAMETER["Standard\_Parallel\_1",32.5],PARAMETER["Scale\_Factor",0.998786407767],PARAMETER["Latitude\_Of\_Origin",32.5],UNIT["Meter",1]]

**KUDAMS KTM,31900**

PROJCS["KUDAMS\_KTM",GEOGCS["GCS\_KUDAMS",DATUM["D\_Kuwait\_Utility",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",48],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Kertau Singapore Grid,24500**

PROJCS["Kertau\_Singapore\_Grid",GEOGCS["GCS\_Kertau",DATUM["D\_Kertau",SPHEROID["Everest\_Modified",6377304.063,300.80174]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Cassini"],PARAMETER["False\_Easting",30000],PARAMETER["False\_Northing",30000],PARAMETER["Central\_Meridian",103.8530022222222],PARAMETER["Latitude\_Of\_Origin",1.287646666666667],UNIT["Meter",1]]

**Kertau UTM Zone 47N,24547**

PROJCS["Kertau\_UTM\_Zone\_47N",GEOGCS["GCS\_Kertau",DATUM["D\_Kertau",SPHEROID["Everest\_Modified",6377304.063,300.80174]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",99],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Kertau UTM Zone 48N,24548**

PROJCS["Kertau\_UTM\_Zone\_48N",GEOGCS["GCS\_Kertau",DATUM["D\_Kertau",SPHEROID["Everest\_Modified",6377304.063,300.80174]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",105],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**La Canoa UTM Zone 20N,24720**

PROJCS["La\_Canoa\_UTM\_Zone\_20N",GEOGCS["GCS\_La\_Canoa",DATUM["D\_La\_Canoa",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-63],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**La Canoa UTM Zone 21N,24721**

PROJCS["La\_Canoa\_UTM\_Zone\_21N",GEOGCS["GCS\_La\_Canoa",DATUM["D\_La\_Canoa",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-57],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Leituvos Koordinoei Sistema,2600**

PROJCS["Leituvos\_Koordinoei\_Sistema",GEOGCS["GCS\_LKS\_1994",DATUM["D\_Lithuania\_1994",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",24],PARAMETER["Scale\_Factor",0.9998],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Lome UTM Zone 31N,25231**

PROJCS["Lome\_UTM\_Zone\_31N",GEOGCS["GCS\_Lome",DATUM["D\_Lome",SPHEROID["Clarke\_1880\_IGN",6378249.2,293.46602]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",3],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Madrid 1870 Madrid Spain,300**

PROJCS["Madrid\_1870\_Madrid\_Spain",GEOGCS["GCS\_Madrid\_1870\_Madrid",DATUM["D\_Madrid\_1870",SPHEROID["Struve\_1860",6378298.3,294.73]],PRIMEM["Madrid",-3.687938888888889],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],

PARAMETER["False\_Easting",600000],PARAMETER["False\_Northing",600000],PARAMETER["Central\_Meridian",0],PARAMETER["Standard\_Parallel\_1",40],PARAMETER["Scale\_Factor",0.9988085293],PARAMETER["Latitude\_Of\_Origin",40],UNIT["Meter",1]]

**Malongo 1987 UTM Zone 32S,25932**

PROJCS["Malongo\_1987\_UTM\_Zone\_32S",GEOGCS["GCS\_Malongo\_1987",DATUM["D\_Malongo\_1987",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",9],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Massawa UTM Zone 37N,26237**

PROJCS["Massawa\_UTM\_Zone\_37N",GEOGCS["GCS\_Massawa",DATUM["D\_Massawa",SPHEROID["Bessel\_1841",6377397.155,299.1528128]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",39],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Mhast UTM Zone 32S,26432**

PROJCS["Mhast\_UTM\_Zone\_32S",GEOGCS["GCS\_Mhast",DATUM["D\_Mhast",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",9],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Minna UTM Zone 31N,26331**

PROJCS["Minna\_UTM\_Zone\_31N",GEOGCS["GCS\_Minna",DATUM["D\_Minna",SPHEROID["Clarke\_1880\_RGS",6378249.145,293.465]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",3],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Minna UTM Zone 32N,26332**

PROJCS["Minna\_UTM\_Zone\_32N",GEOGCS["GCS\_Minna",DATUM["D\_Minna",SPHEROID["Clarke\_1880\_RGS",6378249.145,293.465]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",9],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Monte Mario Rome Italy 1,26591**

PROJCS["Monte\_Mario\_Rome\_Italy\_1",GEOGCS["GCS\_Monte\_Mario\_Rome",DATUM["D\_Monte\_Mario",SPHEROID["International\_1924",6378388,297]],PRIMEM["Rome",12.452333333333333],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",1500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-3.452333333],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Monte Mario Rome Italy 2,26592**

PROJCS["Monte\_Mario\_Rome\_Italy\_2",GEOGCS["GCS\_Monte\_Mario\_Rome",DATUM["D\_Monte\_Mario",SPHEROID["International\_1924",6378388,297]],PRIMEM["Rome",12.452333333333333],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",2520000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",2.54766667],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Montserrat 1958 British West Indies Grid,204**

PROJCS["Montserrat\_1958\_British\_West\_Indies\_Grid",GEOGCS["GCS\_Montserrat\_1958",DATUM["D\_Montserrat\_1958",SPHEROID["Clarke\_1880\_RGS",6378249.145,293.465]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",400000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-62],PARAMETER["Scale\_Factor",0.9995000000000001],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Moznet UTM Zone 36S,3036**

PROJCS["Moznet\_UTM\_Zone\_36S",GEOGCS["GCS\_Tete",DATUM["D\_Tete",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",33],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Moznet UTM Zone 37S,3037**

PROJCS["Moznet\_UTM\_Zone\_37S",GEOGCS["GCS\_Tete",DATUM["D\_Tete",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",39],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Mporaloko UTM Zone 32N,26632**

```
PROJCS["Mporaloko_UTM_Zone_32N",GEOGCS["GCS_Mporaloko",DATUM["D_Mporaloko",SPHEROID["Clarke_1880_IGN",6378249.2,293.46602]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",9],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**Mporaloko UTM Zone 32S,26692**

```
PROJCS["Mporaloko_UTM_Zone_32S",GEOGCS["GCS_Mporaloko",DATUM["D_Mporaloko",SPHEROID["Clarke_1880_IGN",6378249.2,293.46602]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",1000000],PARAMETER["Central_Meridian",9],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**NAD 1927 BLM Zone 14N,32074**

```
PROJCS["NAD_1927_BLM_Zone_14N",GEOGCS["GCS_North_American_1927",DATUM["D_North_American_1927",SPHEROID["Clarke_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",1640416.666666667],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-99],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Foot_US",0.30480060960121924]]
```

**NAD 1927 BLM Zone 15N,32075**

```
PROJCS["NAD_1927_BLM_Zone_15N",GEOGCS["GCS_North_American_1927",DATUM["D_North_American_1927",SPHEROID["Clarke_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",1640416.666666667],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-93],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Foot_US",0.30480060960121924]]
```

**NAD 1927 BLM Zone 16N,32076**

```
PROJCS["NAD_1927_BLM_Zone_16N",GEOGCS["GCS_North_American_1927",DATUM["D_North_American_1927",SPHEROID["Clarke_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",1640416.666666667],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-87],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Foot_US",0.30480060960121924]]
```

**NAD 1927 BLM Zone 17N,32077**

```
PROJCS["NAD_1927_BLM_Zone_17N",GEOGCS["GCS_North_American_1927",DATUM["D_North_American_1927",SPHEROID["Clarke_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",1640416.666666667],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-81],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Foot_US",0.30480060960121924]]
```

**NAD 1927 CGQ77 MTM 10 SCoPQ,216**

```
PROJCS["NAD_1927_CGQ77_MTM_10_SCoPQ",GEOGCS["GCS_NAD_1927_CGQ77",DATUM["D_NAD_1927_CGQ77",SPHEROID["Clarke_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",304800],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-79.5],PARAMETER["Scale_Factor",0.9999],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**NAD 1927 CGQ77 MTM 2 SCoPQ,208**

```
PROJCS["NAD_1927_CGQ77_MTM_2_SCoPQ",GEOGCS["GCS_NAD_1927_CGQ77",DATUM["D_NAD_1927_CGQ77",SPHEROID["Clarke_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",304800],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-55.5],PARAMETER["Scale_Factor",0.9999],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**NAD 1927 CGQ77 MTM 3 SCoPQ,209**

```
PROJCS["NAD_1927_CGQ77_MTM_3_SCoPQ",GEOGCS["GCS_NAD_1927_CGQ77",DATUM["D_NAD_1927_CGQ77",SPHEROID["Clarke_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",304800],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-58.5],PARAMETER["Scale_Factor",0.9999],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**NAD 1927 CGQ77 MTM 4 SCoPQ,210**

```
PROJCS["NAD_1927_CGQ77_MTM_4_SCoPQ",GEOGCS["GCS_NAD_1927_CGQ77",DATUM["D_NAD_1927_CGQ77",SPHEROID["Clarke_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",304800],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-61.5],PARAMETER["Scale_Factor",0.9999],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**NAD 1927 CGQ77 MTM 5 SCoPQ,211**

```
PROJCS["NAD_1927_CGQ77_MTM_5_SCoPQ",GEOGCS["GCS_NAD_1927_CGQ77",DATUM["D_NAD_1927_CGQ77",SPHEROID["Clarke_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],
```

PARAMETER["False\_Easting",304800],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-64.5],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1927 CGQ77 MTM 6 SCoPQ,212**

PROJCS["NAD\_1927\_CGQ77\_MTM\_6\_SCoPQ",GEOGCS["GCS\_NAD\_1927\_CGQ77",DATUM["D\_NAD\_1927\_CGQ77",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",304800],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-67.5],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1927 CGQ77 MTM 7 SCoPQ,213**

PROJCS["NAD\_1927\_CGQ77\_MTM\_7\_SCoPQ",GEOGCS["GCS\_NAD\_1927\_CGQ77",DATUM["D\_NAD\_1927\_CGQ77",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",304800],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-70.5],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1927 CGQ77 MTM 8 SCoPQ,214**

PROJCS["NAD\_1927\_CGQ77\_MTM\_8\_SCoPQ",GEOGCS["GCS\_NAD\_1927\_CGQ77",DATUM["D\_NAD\_1927\_CGQ77",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",304800],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-73.5],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1927 CGQ77 MTM 9 SCoPQ,215**

PROJCS["NAD\_1927\_CGQ77\_MTM\_9\_SCoPQ",GEOGCS["GCS\_NAD\_1927\_CGQ77",DATUM["D\_NAD\_1927\_CGQ77",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",304800],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-76.5],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1927 CGQ77 UTM Zone 17N,231**

PROJCS["NAD\_1927\_CGQ77\_UTM\_Zone\_17N",GEOGCS["GCS\_NAD\_1927\_CGQ77",DATUM["D\_NAD\_1927\_CGQ77",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-81],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1927 CGQ77 UTM Zone 18N,232**

PROJCS["NAD\_1927\_CGQ77\_UTM\_Zone\_18N",GEOGCS["GCS\_NAD\_1927\_CGQ77",DATUM["D\_NAD\_1927\_CGQ77",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-75],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1927 CGQ77 UTM Zone 19N,233**

PROJCS["NAD\_1927\_CGQ77\_UTM\_Zone\_19N",GEOGCS["GCS\_NAD\_1927\_CGQ77",DATUM["D\_NAD\_1927\_CGQ77",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-69],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1927 CGQ77 UTM Zone 20N,234**

PROJCS["NAD\_1927\_CGQ77\_UTM\_Zone\_20N",GEOGCS["GCS\_NAD\_1927\_CGQ77",DATUM["D\_NAD\_1927\_CGQ77",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-63],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1927 CGQ77 UTM Zone 21N,235**

PROJCS["NAD\_1927\_CGQ77\_UTM\_Zone\_21N",GEOGCS["GCS\_NAD\_1927\_CGQ77",DATUM["D\_NAD\_1927\_CGQ77",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-57],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1927 DEF 1976 MTM 10,219**

PROJCS["NAD\_1927\_DEF\_1976\_MTM\_10",GEOGCS["GCS\_NAD\_1927\_Definition\_1976",DATUM["D\_NAD\_1927\_Definition\_1976",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",304800],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-79.5],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1927 DEF 1976 MTM 11,220**

PROJCS["NAD\_1927\_DEF\_1976\_MTM\_11",GEOGCS["GCS\_NAD\_1927\_Definition\_1976",DATUM["D\_NAD\_1927\_Definition\_1976",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",304800],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-82.5],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1927 DEF 1976 MTM 12,221**

PROJCS["NAD\_1927\_DEF\_1976\_MTM\_12",GEOGCS["GCS\_NAD\_1927\_Definition\_1976",DATUM["D\_NAD\_1927\_Definition\_1976",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",304800],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-81],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1927 DEF 1976 MTM 13,222**

PROJCS["NAD\_1927\_DEF\_1976\_MTM\_13",GEOGCS["GCS\_NAD\_1927\_Definition\_1976",DATUM["D\_NAD\_1927\_Definition\_1976",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",304800],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-84],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1927 DEF 1976 MTM 14,223**

PROJCS["NAD\_1927\_DEF\_1976\_MTM\_14",GEOGCS["GCS\_NAD\_1927\_Definition\_1976",DATUM["D\_NAD\_1927\_Definition\_1976",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",304800],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-87],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1927 DEF 1976 MTM 15,224**

PROJCS["NAD\_1927\_DEF\_1976\_MTM\_15",GEOGCS["GCS\_NAD\_1927\_Definition\_1976",DATUM["D\_NAD\_1927\_Definition\_1976",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",304800],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-90],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1927 DEF 1976 MTM 16,225**

PROJCS["NAD\_1927\_DEF\_1976\_MTM\_16",GEOGCS["GCS\_NAD\_1927\_Definition\_1976",DATUM["D\_NAD\_1927\_Definition\_1976",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",304800],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-93],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1927 DEF 1976 MTM 17,226**

PROJCS["NAD\_1927\_DEF\_1976\_MTM\_17",GEOGCS["GCS\_NAD\_1927\_Definition\_1976",DATUM["D\_NAD\_1927\_Definition\_1976",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",304800],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-96],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1927 DEF 1976 MTM 8,217**

PROJCS["NAD\_1927\_DEF\_1976\_MTM\_8",GEOGCS["GCS\_NAD\_1927\_Definition\_1976",DATUM["D\_NAD\_1927\_Definition\_1976",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",304800],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-73.5],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1927 DEF 1976 MTM 9,218**

PROJCS["NAD\_1927\_DEF\_1976\_MTM\_9",GEOGCS["GCS\_NAD\_1927\_Definition\_1976",DATUM["D\_NAD\_1927\_Definition\_1976",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",304800],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-76.5],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1927 DEF 1976 UTM Zone 15N,227**

PROJCS["NAD\_1927\_DEF\_1976\_UTM\_Zone\_15N",GEOGCS["GCS\_NAD\_1927\_Definition\_1976",DATUM["D\_NAD\_1927\_Definition\_1976",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-93],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1927 DEF 1976 UTM Zone 16N,228**

PROJCS["NAD\_1927\_DEF\_1976\_UTM\_Zone\_16N",GEOGCS["GCS\_NAD\_1927\_Definition\_1976",DATUM["D\_NAD\_1927\_Definition\_1976",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Tran

sverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-87],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1927 DEF 1976 UTM Zone 17N,229**

PROJCS["NAD\_1927\_DEF\_1976\_UTM\_Zone\_17N",GEOGCS["GCS\_NAD\_1927\_Definition\_1976",DATUM["D\_NAD\_1927\_Definition\_1976",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-81],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1927 DEF 1976 UTM Zone 18N,230**

PROJCS["NAD\_1927\_DEF\_1976\_UTM\_Zone\_18N",GEOGCS["GCS\_NAD\_1927\_Definition\_1976",DATUM["D\_NAD\_1927\_Definition\_1976",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-75],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1927 MTM 1,32081**

PROJCS["NAD\_1927\_MTM\_1",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",304800],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-53],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1927 MTM 2,32082**

PROJCS["NAD\_1927\_MTM\_2",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",304800],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-56],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1927 MTM 3,32083**

PROJCS["NAD\_1927\_MTM\_3",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",304800],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-58.5],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1927 MTM 4,32084**

PROJCS["NAD\_1927\_MTM\_4",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",304800],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-61.5],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1927 MTM 5,32085**

PROJCS["NAD\_1927\_MTM\_5",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",304800],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-64.5],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1927 MTM 6,32086**

PROJCS["NAD\_1927\_MTM\_6",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",304800],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-67.5],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1927 StatePlane Alabama East FIPS 0101,26729**

PROJCS["NAD\_1927\_StatePlane\_Alabama\_East\_FIPS\_0101",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-85.83333333333333],PARAMETER["Scale\_Factor",0.99996],PARAMETER["Latitude\_Of\_Origin",30.5],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Alabama West FIPS 0102,26730**

PROJCS["NAD\_1927\_StatePlane\_Alabama\_West\_FIPS\_0102",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-87.5],PARAMETER["Scale\_Factor",0.9999333333333333],PARAMETER["Latitude\_Of\_Origin",30],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Alaska 1 FIPS 5001,26731**

PROJCS["NAD\_1927\_StatePlane\_Alaska\_1\_FIPS\_5001",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Hotine\_Oblique\_Mercator\_Azimuth\_Natural\_Origin"],PARAMETER["False\_Easting",16404166.666667],PARAMETER["False\_Northing",-16404166.666667],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Azimuth",-36.86989764583333],PARAMETER["Longitude\_Of\_Center",-133.666666666667],PARAMETER["Latitude\_Of\_Center",57],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Alaska 10 FIPS 5010,26740**

PROJCS["NAD\_1927\_StatePlane\_Alaska\_10\_FIPS\_5010",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",3000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-176],PARAMETER["Standard\_Parallel\_1",51.83333333333334],PARAMETER["Standard\_Parallel\_2",53.83333333333334],PARAMETER["Latitude\_Of\_Origin",51],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Alaska 2 FIPS 5002,26732**

PROJCS["NAD\_1927\_StatePlane\_Alaska\_2\_FIPS\_5002",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-142],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",54],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Alaska 3 FIPS 5003,26733**

PROJCS["NAD\_1927\_StatePlane\_Alaska\_3\_FIPS\_5003",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-146],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",54],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Alaska 4 FIPS 5004,26734**

PROJCS["NAD\_1927\_StatePlane\_Alaska\_4\_FIPS\_5004",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-150],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",54],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Alaska 5 FIPS 5005,26735**

PROJCS["NAD\_1927\_StatePlane\_Alaska\_5\_FIPS\_5005",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-154],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",54],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Alaska 6 FIPS 5006,26736**

PROJCS["NAD\_1927\_StatePlane\_Alaska\_6\_FIPS\_5006",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-158],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",54],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Alaska 7 FIPS 5007,26737**

PROJCS["NAD\_1927\_StatePlane\_Alaska\_7\_FIPS\_5007",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",700000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-162],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",54],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Alaska 8 FIPS 5008,26738**

PROJCS["NAD\_1927\_StatePlane\_Alaska\_8\_FIPS\_5008",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-166],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",54],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Alaska 9 FIPS 5009,26739**

PROJCS["NAD\_1927\_StatePlane\_Alaska\_9\_FIPS\_5009",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",600000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-170],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",54],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Arizona Central FIPS 0202,26749**

PROJCS["NAD\_1927\_StatePlane\_Arizona\_Central\_FIPS\_0202",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-111.9166666666667],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",31],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Arizona East FIPS 0201,26748**

PROJCS["NAD\_1927\_StatePlane\_Arizona\_East\_FIPS\_0201",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-110.1666666666667],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",31],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Arizona West FIPS 0203,26750**

PROJCS["NAD\_1927\_StatePlane\_Arizona\_West\_FIPS\_0203",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-113.75],PARAMETER["Scale\_Factor",0.9999333333333333],PARAMETER["Latitude\_Of\_Origin",31],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Arkansas North FIPS 0301,26751**

PROJCS["NAD\_1927\_StatePlane\_Arkansas\_North\_FIPS\_0301",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-92],PARAMETER["Standard\_Parallel\_1",34.93333333333333],PARAMETER["Standard\_Parallel\_2",36.23333333333333],PARAMETER["Latitude\_Of\_Origin",34.33333333333334],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Arkansas South FIPS 0302,26752**

PROJCS["NAD\_1927\_StatePlane\_Arkansas\_South\_FIPS\_0302",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-92],PARAMETER["Standard\_Parallel\_1",33.3],PARAMETER["Standard\_Parallel\_2",34.76666666666667],PARAMETER["Latitude\_Of\_Origin",32.66666666666667],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane California I FIPS 0401,26741**

PROJCS["NAD\_1927\_StatePlane\_California\_I\_FIPS\_0401",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-122],PARAMETER["Standard\_Parallel\_1",40],PARAMETER["Standard\_Parallel\_2",41.66666666666667],PARAMETER["Latitude\_Of\_Origin",39.33333333333334],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane California II FIPS 0402,26742**

PROJCS["NAD\_1927\_StatePlane\_California\_II\_FIPS\_0402",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-122],PARAMETER["Standard\_Parallel\_1",38.33333333333334],PARAMETER["Standard\_Parallel\_2",39.83333333333334],PARAMETER["Latitude\_Of\_Origin",37.66666666666667],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane California III FIPS 0403,26743**

PROJCS["NAD\_1927\_StatePlane\_California\_III\_FIPS\_0403",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-120.5],PARAMETER["Standard\_Parallel\_1",37.06666666666667],PARAMETER["Standard\_Parallel\_2",38.43333333333333],PARAMETER["Latitude\_Of\_Origin",36.5],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane California IV FIPS 0404,26744**

PROJCS["NAD\_1927\_StatePlane\_California\_IV\_FIPS\_0404",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-119],PARAMETER["Standard\_Parallel\_1",36],PARAMETER["Standard\_Parallel\_2",37.25],PARAMETER["Latitude\_Of\_Origin",35.33333333333334],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane California V FIPS 0405,26745**

PROJCS["NAD\_1927\_StatePlane\_California\_V\_FIPS\_0405",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-118],

PARAMETER["Standard\_Parallel\_1",34.03333333333333],PARAMETER["Standard\_Parallel\_2",35.46666666666667],PARAMETER["Latitude\_Of\_Origin",33.5],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane California VI FIPS 0406,26746**

PROJCS["NAD\_1927\_StatePlane\_California\_VI\_FIPS\_0406",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-116.25],PARAMETER["Standard\_Parallel\_1",32.78333333333333],PARAMETER["Standard\_Parallel\_2",33.88333333333333],PARAMETER["Latitude\_Of\_Origin",32.16666666666666],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane California VII FIPS 0407,26747**

PROJCS["NAD\_1927\_StatePlane\_California\_VII\_FIPS\_0407",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",4186692.58],PARAMETER["False\_Northing",4160926.74],PARAMETER["Central\_Meridian",-118.33333333333333],PARAMETER["Standard\_Parallel\_1",33.86666666666667],PARAMETER["Standard\_Parallel\_2",34.41666666666666],PARAMETER["Latitude\_Of\_Origin",34.13333333333333],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Colorado Central FIPS 0502,26754**

PROJCS["NAD\_1927\_StatePlane\_Colorado\_Central\_FIPS\_0502",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-105.5],PARAMETER["Standard\_Parallel\_1",38.45],PARAMETER["Standard\_Parallel\_2",39.75],PARAMETER["Latitude\_Of\_Origin",37.83333333333334],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Colorado North FIPS 0501,26753**

PROJCS["NAD\_1927\_StatePlane\_Colorado\_North\_FIPS\_0501",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-105.5],PARAMETER["Standard\_Parallel\_1",39.71666666666667],PARAMETER["Standard\_Parallel\_2",40.78333333333333],PARAMETER["Latitude\_Of\_Origin",39.33333333333334],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Colorado South FIPS 0503,26755**

PROJCS["NAD\_1927\_StatePlane\_Colorado\_South\_FIPS\_0503",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-105.5],PARAMETER["Standard\_Parallel\_1",37.23333333333333],PARAMETER["Standard\_Parallel\_2",38.43333333333333],PARAMETER["Latitude\_Of\_Origin",36.66666666666666],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Connecticut FIPS 0600,26756**

PROJCS["NAD\_1927\_StatePlane\_Connecticut\_FIPS\_0600",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-72.75],PARAMETER["Standard\_Parallel\_1",41.2],PARAMETER["Standard\_Parallel\_2",41.86666666666667],PARAMETER["Latitude\_Of\_Origin",40.83333333333334],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Delaware FIPS 0700,26757**

PROJCS["NAD\_1927\_StatePlane\_Delaware\_FIPS\_0700",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-75.41666666666667],PARAMETER["Scale\_Factor",0.999995],PARAMETER["Latitude\_Of\_Origin",38],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Florida East FIPS 0901,26758**

PROJCS["NAD\_1927\_StatePlane\_Florida\_East\_FIPS\_0901",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-81],PARAMETER["Scale\_Factor",0.9999411764705882],PARAMETER["Latitude\_Of\_Origin",24.33333333333333],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Florida North FIPS 0903,26760**

PROJCS["NAD\_1927\_StatePlane\_Florida\_North\_FIPS\_0903",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-84.5],PARAMETER["Standard\_Parallel\_1",29.58333333333333],PARAMETER["Standard\_Parallel\_2",30.75],PARAMETER["Latitude\_Of\_Origin",29],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Florida West FIPS 0902,26759**

PROJCS["NAD\_1927\_StatePlane\_Florida\_West\_FIPS\_0902",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-82],PARAMETER["Scale\_Factor",0.9999411764705882],PARAMETER["Latitude\_Of\_Origin",24.33333333333333],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Georgia East FIPS 1001,26766**

PROJCS["NAD\_1927\_StatePlane\_Georgia\_East\_FIPS\_1001",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-82.16666666666667],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",30],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Georgia West FIPS 1002,26767**

PROJCS["NAD\_1927\_StatePlane\_Georgia\_West\_FIPS\_1002",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-84.16666666666667],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",30],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Guam FIPS 5400,65061**

PROJCS["NAD\_1927\_StatePlane\_Guam\_FIPS\_5400",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Polyconic"],PARAMETER["False\_Easting",164041.66666666667],PARAMETER["False\_Northing",164041.66666666667],PARAMETER["Central\_Meridian",-144.7487507055556],PARAMETER["Latitude\_Of\_Origin",13.47246635277778],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Hawaii 1 FIPS 5101,26761**

PROJCS["NAD\_1927\_StatePlane\_Hawaii\_1\_FIPS\_5101",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-155.5],PARAMETER["Scale\_Factor",0.9999666666666667],PARAMETER["Latitude\_Of\_Origin",18.83333333333333],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Hawaii 2 FIPS 5102,26762**

PROJCS["NAD\_1927\_StatePlane\_Hawaii\_2\_FIPS\_5102",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-156.6666666666667],PARAMETER["Scale\_Factor",0.9999666666666667],PARAMETER["Latitude\_Of\_Origin",20.33333333333333],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Hawaii 3 FIPS 5103,26763**

PROJCS["NAD\_1927\_StatePlane\_Hawaii\_3\_FIPS\_5103",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-158],PARAMETER["Scale\_Factor",0.9999900000000001],PARAMETER["Latitude\_Of\_Origin",21.16666666666667],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Hawaii 4 FIPS 5104,26764**

PROJCS["NAD\_1927\_StatePlane\_Hawaii\_4\_FIPS\_5104",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-159.5],PARAMETER["Scale\_Factor",0.9999900000000001],PARAMETER["Latitude\_Of\_Origin",21.83333333333333],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Hawaii 5 FIPS 5105,26765**

PROJCS["NAD\_1927\_StatePlane\_Hawaii\_5\_FIPS\_5105",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-160.1666666666667],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",21.66666666666667],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Idaho Central FIPS 1102,26769**

PROJCS["NAD\_1927\_StatePlane\_Idaho\_Central\_FIPS\_1102",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-114],PARAMETER["Scale\_Factor",0.9999473684210526],PARAMETER["Latitude\_Of\_Origin",41.66666666666667],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Idaho East FIPS 1101,26768**

PROJCS["NAD\_1927\_StatePlane\_Idaho\_East\_FIPS\_1101",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-112.1666666666667],PARAMETER["Scale\_Factor",0.9999473684210526],PARAMETER["Latitude\_Of\_Origin",41.66666666666666],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Idaho West FIPS 1103,26770**

PROJCS["NAD\_1927\_StatePlane\_Idaho\_West\_FIPS\_1103",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-115.75],PARAMETER["Scale\_Factor",0.9999333333333333],PARAMETER["Latitude\_Of\_Origin",41.66666666666666],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Illinois East FIPS 1201,26771**

PROJCS["NAD\_1927\_StatePlane\_Illinois\_East\_FIPS\_1201",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-88.33333333333333],PARAMETER["Scale\_Factor",0.999975],PARAMETER["Latitude\_Of\_Origin",36.66666666666666],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Illinois West FIPS 1202,26772**

PROJCS["NAD\_1927\_StatePlane\_Illinois\_West\_FIPS\_1202",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-90.16666666666667],PARAMETER["Scale\_Factor",0.9999411764705882],PARAMETER["Latitude\_Of\_Origin",36.66666666666666],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Indiana East FIPS 1301,26773**

PROJCS["NAD\_1927\_StatePlane\_Indiana\_East\_FIPS\_1301",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-85.66666666666667],PARAMETER["Scale\_Factor",0.9999666666666667],PARAMETER["Latitude\_Of\_Origin",37.5],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Indiana West FIPS 1302,26774**

PROJCS["NAD\_1927\_StatePlane\_Indiana\_West\_FIPS\_1302",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-87.08333333333333],PARAMETER["Scale\_Factor",0.9999666666666667],PARAMETER["Latitude\_Of\_Origin",37.5],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Iowa North FIPS 1401,26775**

PROJCS["NAD\_1927\_StatePlane\_Iowa\_North\_FIPS\_1401",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-93.5],PARAMETER["Standard\_Parallel\_1",42.06666666666667],PARAMETER["Standard\_Parallel\_2",43.26666666666667],PARAMETER["Latitude\_Of\_Origin",41.5],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Iowa South FIPS 1402,26776**

PROJCS["NAD\_1927\_StatePlane\_Iowa\_South\_FIPS\_1402",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-93.5],PARAMETER["Standard\_Parallel\_1",40.61666666666667],PARAMETER["Standard\_Parallel\_2",41.78333333333333],PARAMETER["Latitude\_Of\_Origin",40],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Kansas North FIPS 1501,26777**

PROJCS["NAD\_1927\_StatePlane\_Kansas\_North\_FIPS\_1501",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-98],PARAMETER["Standard\_Parallel\_1",38.71666666666667],PARAMETER["Standard\_Parallel\_2",39.78333333333333],PARAMETER["Latitude\_Of\_Origin",38.33333333333334],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Kansas South FIPS 1502,26778**

PROJCS["NAD\_1927\_StatePlane\_Kansas\_South\_FIPS\_1502",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-98.5],PARAMETER["Standard\_Parallel\_1",37.26666666666667],PARAMETER["Standard\_Parallel\_2",38.56666666666667],PARAMETER["Latitude\_Of\_Origin",36.66666666666667],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Kentucky North FIPS 1601,26779**

PROJCS["NAD\_1927\_StatePlane\_Kentucky\_North\_FIPS\_1601",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-84.25],PARAMETER["Standard\_Parallel\_1",37.96666666666667],PARAMETER["Standard\_Parallel\_2",38.96666666666667],PARAMETER["Latitude\_Of\_Origin",37.5],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Kentucky South FIPS 1602,26780**

PROJCS["NAD\_1927\_StatePlane\_Kentucky\_South\_FIPS\_1602",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-85.75],PARAMETER["Standard\_Parallel\_1",36.73333333333333],PARAMETER["Standard\_Parallel\_2",37.93333333333333],PARAMETER["Latitude\_Of\_Origin",36.33333333333334],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Louisiana North FIPS 1701,26781**

PROJCS["NAD\_1927\_StatePlane\_Louisiana\_North\_FIPS\_1701",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-92.5],PARAMETER["Standard\_Parallel\_1",31.16666666666667],PARAMETER["Standard\_Parallel\_2",32.66666666666667],PARAMETER["Latitude\_Of\_Origin",30.66666666666667],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Louisiana South FIPS 1702,26782**

PROJCS["NAD\_1927\_StatePlane\_Louisiana\_South\_FIPS\_1702",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-91.33333333333333],PARAMETER["Standard\_Parallel\_1",29.3],PARAMETER["Standard\_Parallel\_2",30.7],PARAMETER["Latitude\_Of\_Origin",28.66666666666667],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Maine East FIPS 1801,26783**

PROJCS["NAD\_1927\_StatePlane\_Maine\_East\_FIPS\_1801",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-68.5],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",43.83333333333334],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Maine West FIPS 1802,26784**

PROJCS["NAD\_1927\_StatePlane\_Maine\_West\_FIPS\_1802",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-70.16666666666667],PARAMETER["Scale\_Factor",0.9999666666666667],PARAMETER["Latitude\_Of\_Origin",42.83333333333334],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Maryland FIPS 1900,26785**

PROJCS["NAD\_1927\_StatePlane\_Maryland\_FIPS\_1900",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",800000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-77],PARAMETER["Standard\_Parallel\_1",38.3],PARAMETER["Standard\_Parallel\_2",39.45],PARAMETER["Latitude\_Of\_Origin",37.83333333333334],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Massachusetts Island FIPS 2002,26787**

PROJCS["NAD\_1927\_StatePlane\_Massachusetts\_Island\_FIPS\_2002",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",200000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-70.5],PARAMETER["Standard\_Parallel\_1",41.28333333333333],PARAMETER["Standard\_Parallel\_2",41.48333333333333],PARAMETER["Latitude\_Of\_Origin",41],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Massachusetts Mainland FIPS 2001,26786**

PROJCS["NAD\_1927\_StatePlane\_Massachusetts\_Mainland\_FIPS\_2001",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",600000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-71.5],PARAMETER["Standard\_Parallel\_1",41.71666666666667],PARAMETER["Standard\_Parallel\_2",42.68333333333333],PARAMETER["Latitude\_Of\_Origin",41],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Michigan Central FIPS 2112,26789**

PROJCS["NAD\_1927\_StatePlane\_Michigan\_Central\_FIPS\_2112",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-84.33333333333333],PARAMETER["Standard\_Parallel\_1",44.18333333333333],PARAMETER["Standard\_Parallel\_2",45.7],PARAMETER["Latitude\_Of\_Origin",43.31666666666667],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Michigan North FIPS 2111,26788**

PROJCS["NAD\_1927\_StatePlane\_Michigan\_North\_FIPS\_2111",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-87],PARAMETER["Standard\_Parallel\_1",45.48333333333333],PARAMETER["Standard\_Parallel\_2",47.08333333333334],PARAMETER["Latitude\_Of\_Origin",44.78333333333333],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Michigan South FIPS 2113,26790**

PROJCS["NAD\_1927\_StatePlane\_Michigan\_South\_FIPS\_2113",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-84.33333333333333],PARAMETER["Standard\_Parallel\_1",42.1],PARAMETER["Standard\_Parallel\_2",43.66666666666667],PARAMETER["Latitude\_Of\_Origin",41.5],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Minnesota Central FIPS 2202,26792**

PROJCS["NAD\_1927\_StatePlane\_Minnesota\_Central\_FIPS\_2202",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-94.25],PARAMETER["Standard\_Parallel\_1",45.61666666666667],PARAMETER["Standard\_Parallel\_2",47.05],PARAMETER["Latitude\_Of\_Origin",45],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Minnesota North FIPS 2201,26791**

PROJCS["NAD\_1927\_StatePlane\_Minnesota\_North\_FIPS\_2201",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-93.09999999999999],PARAMETER["Standard\_Parallel\_1",47.03333333333333],PARAMETER["Standard\_Parallel\_2",48.63333333333333],PARAMETER["Latitude\_Of\_Origin",46.5],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Minnesota South FIPS 2203,26793**

PROJCS["NAD\_1927\_StatePlane\_Minnesota\_South\_FIPS\_2203",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-94],PARAMETER["Standard\_Parallel\_1",43.78333333333333],PARAMETER["Standard\_Parallel\_2",45.21666666666667],PARAMETER["Latitude\_Of\_Origin",43],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Mississippi East FIPS 2301,26794**

PROJCS["NAD\_1927\_StatePlane\_Mississippi\_East\_FIPS\_2301",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-88.83333333333333],PARAMETER["Scale\_Factor",0.99996],PARAMETER["Latitude\_Of\_Origin",29.66666666666667],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Mississippi West FIPS 2302,26795**

PROJCS["NAD\_1927\_StatePlane\_Mississippi\_West\_FIPS\_2302",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-90.33333333333333],PARAMETER["Scale\_Factor",0.9999411764705882],PARAMETER["Latitude\_Of\_Origin",30.5],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Missouri Central FIPS 2402,26797**

PROJCS["NAD\_1927\_StatePlane\_Missouri\_Central\_FIPS\_2402",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-92.5],PARAMETER["Scale\_Factor",0.9999333333333333],PARAMETER["Latitude\_Of\_Origin",35.833333333333334],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Missouri East FIPS 2401,26796**

PROJCS["NAD\_1927\_StatePlane\_Missouri\_East\_FIPS\_2401",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-90.5],PARAMETER["Scale\_Factor",0.9999333333333333],PARAMETER["Latitude\_Of\_Origin",35.833333333333334],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Missouri West FIPS 2403,26798**

PROJCS["NAD\_1927\_StatePlane\_Missouri\_West\_FIPS\_2403",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-94.5],PARAMETER["Scale\_Factor",0.9999411764705882],PARAMETER["Latitude\_Of\_Origin",36.166666666666666],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Montana Central FIPS 2502,32002**

PROJCS["NAD\_1927\_StatePlane\_Montana\_Central\_FIPS\_2502",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-109.5],PARAMETER["Standard\_Parallel\_1",46.45],PARAMETER["Standard\_Parallel\_2",47.883333333333333],PARAMETER["Latitude\_Of\_Origin",45.833333333333334],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Montana North FIPS 2501,32001**

PROJCS["NAD\_1927\_StatePlane\_Montana\_North\_FIPS\_2501",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-109.5],PARAMETER["Standard\_Parallel\_1",47.85],PARAMETER["Standard\_Parallel\_2",48.716666666666667],PARAMETER["Latitude\_Of\_Origin",47],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Montana South FIPS 2503,32003**

PROJCS["NAD\_1927\_StatePlane\_Montana\_South\_FIPS\_2503",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-109.5],PARAMETER["Standard\_Parallel\_1",44.866666666666667],PARAMETER["Standard\_Parallel\_2",46.4],PARAMETER["Latitude\_Of\_Origin",44],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Nebraska North FIPS 2601,32005**

PROJCS["NAD\_1927\_StatePlane\_Nebraska\_North\_FIPS\_2601",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-100],PARAMETER["Standard\_Parallel\_1",41.85],PARAMETER["Standard\_Parallel\_2",42.816666666666667],PARAMETER["Latitude\_Of\_Origin",41.333333333333334],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Nebraska South FIPS 2602,32006**

PROJCS["NAD\_1927\_StatePlane\_Nebraska\_South\_FIPS\_2602",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-99.5],PARAMETER["Standard\_Parallel\_1",40.283333333333333],PARAMETER["Standard\_Parallel\_2",41.716666666666667],PARAMETER["Latitude\_Of\_Origin",39.666666666666666],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Nevada Central FIPS 2702,32008**

PROJCS["NAD\_1927\_StatePlane\_Nevada\_Central\_FIPS\_2702",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-116.666666666666667],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",34.75],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Nevada East FIPS 2701,32007**

PROJCS["NAD\_1927\_StatePlane\_Nevada\_East\_FIPS\_2701",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-115.583333333333],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",34.75],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Nevada West FIPS 2703,32009**

PROJCS["NAD\_1927\_StatePlane\_Nevada\_West\_FIPS\_2703",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-118.583333333333],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",34.75],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane New Hampshire FIPS 2800,32010**

PROJCS["NAD\_1927\_StatePlane\_New\_Hampshire\_FIPS\_2800",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-71.66666666666667],PARAMETER["Scale\_Factor",0.9999666666666667],PARAMETER["Latitude\_Of\_Origin",42.5],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane New Jersey FIPS 2900,32011**

PROJCS["NAD\_1927\_StatePlane\_New\_Jersey\_FIPS\_2900",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-74.66666666666667],PARAMETER["Scale\_Factor",0.999975],PARAMETER["Latitude\_Of\_Origin",38.83333333333334],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane New Mexico Central FIPS 3002,32013**

PROJCS["NAD\_1927\_StatePlane\_New\_Mexico\_Central\_FIPS\_3002",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-106.25],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",31],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane New Mexico East FIPS 3001,32012**

PROJCS["NAD\_1927\_StatePlane\_New\_Mexico\_East\_FIPS\_3001",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-104.333333333333],PARAMETER["Scale\_Factor",0.9999090909090909],PARAMETER["Latitude\_Of\_Origin",31],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane New Mexico West FIPS 3003,32014**

PROJCS["NAD\_1927\_StatePlane\_New\_Mexico\_West\_FIPS\_3003",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-107.833333333333],PARAMETER["Scale\_Factor",0.9999166666666667],PARAMETER["Latitude\_Of\_Origin",31],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane New York Central FIPS 3102,32016**

PROJCS["NAD\_1927\_StatePlane\_New\_York\_Central\_FIPS\_3102",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-76.5833333333333],PARAMETER["Scale\_Factor",0.9999375],PARAMETER["Latitude\_Of\_Origin",40],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane New York East FIPS 3101,32015**

PROJCS["NAD\_1927\_StatePlane\_New\_York\_East\_FIPS\_3101",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-74.3333333333333],PARAMETER["Scale\_Factor",0.9999666666666667],PARAMETER["Latitude\_Of\_Origin",40],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane New York Long Island FIPS 3104,32018**

PROJCS["NAD\_1927\_StatePlane\_New\_York\_Long\_Island\_FIPS\_3104",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",100000],PARAMETER["Central\_Meridian",-74.3333333333333],PARAMETER["Scale\_Factor",0.9999666666666667],PARAMETER["Latitude\_Of\_Origin",40],UNIT["Foot\_US",0.30480060960121924]]

eridian",-74],PARAMETER["Standard\_Parallel\_1",40.66666666666666],PARAMETER["Standard\_Parallel\_2",41.03333333333333],PARAMETER["Latitude\_Of\_Origin",40.5],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane New York West FIPS 3103,32017**

PROJCS["NAD\_1927\_StatePlane\_New\_York\_West\_FIPS\_3103",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-78.58333333333333],PARAMETER["Scale\_Factor",0.9999375],PARAMETER["Latitude\_Of\_Origin",40],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane North Carolina FIPS 3200,32019**

PROJCS["NAD\_1927\_StatePlane\_North\_Carolina\_FIPS\_3200",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-79],PARAMETER["Standard\_Parallel\_1",34.33333333333333],PARAMETER["Standard\_Parallel\_2",36.16666666666666],PARAMETER["Latitude\_Of\_Origin",33.75],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane North Dakota North FIPS 3301,32020**

PROJCS["NAD\_1927\_StatePlane\_North\_Dakota\_North\_FIPS\_3301",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-100.5],PARAMETER["Standard\_Parallel\_1",47.43333333333333],PARAMETER["Standard\_Parallel\_2",48.73333333333333],PARAMETER["Latitude\_Of\_Origin",47],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane North Dakota South FIPS 3302,32021**

PROJCS["NAD\_1927\_StatePlane\_North\_Dakota\_South\_FIPS\_3302",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-100.5],PARAMETER["Standard\_Parallel\_1",46.18333333333333],PARAMETER["Standard\_Parallel\_2",47.48333333333333],PARAMETER["Latitude\_Of\_Origin",45.66666666666666],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Ohio North FIPS 3401,32022**

PROJCS["NAD\_1927\_StatePlane\_Ohio\_North\_FIPS\_3401",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-82.5],PARAMETER["Standard\_Parallel\_1",40.43333333333333],PARAMETER["Standard\_Parallel\_2",41.7],PARAMETER["Latitude\_Of\_Origin",39.66666666666666],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Ohio South FIPS 3402,32023**

PROJCS["NAD\_1927\_StatePlane\_Ohio\_South\_FIPS\_3402",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-82.5],PARAMETER["Standard\_Parallel\_1",38.73333333333333],PARAMETER["Standard\_Parallel\_2",40.03333333333333],PARAMETER["Latitude\_Of\_Origin",38],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Oklahoma North FIPS 3501,32024**

PROJCS["NAD\_1927\_StatePlane\_Oklahoma\_North\_FIPS\_3501",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-98],PARAMETER["Standard\_Parallel\_1",35.56666666666667],PARAMETER["Standard\_Parallel\_2",36.76666666666667],PARAMETER["Latitude\_Of\_Origin",35],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Oklahoma South FIPS 3502,32025**

PROJCS["NAD\_1927\_StatePlane\_Oklahoma\_South\_FIPS\_3502",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-98],PARAMETER["Standard\_Parallel\_1",33.93333333333333],PARAMETER["Standard\_Parallel\_2",35.23333333333333],PARAMETER["Latitude\_Of\_Origin",33.33333333333333],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Oregon North FIPS 3601,32026**

PROJCS["NAD\_1927\_StatePlane\_Oregon\_North\_FIPS\_3601",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-120.5],PARAMETER["Standard\_Parallel\_1",44.33333333333333],PARAMETER["Standard\_Parallel\_2",46],PARAMETER["Latitude\_Of\_Origin",43.66666666666666],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Oregon South FIPS 3602,32027**

PROJCS["NAD\_1927\_StatePlane\_Oregon\_South\_FIPS\_3602",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-120.5],PARAMETER["Standard\_Parallel\_1",42.33333333333334],PARAMETER["Standard\_Parallel\_2",44],PARAMETER["Latitude\_Of\_Origin",41.66666666666666],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Pennsylvania North FIPS 3701,32028**

PROJCS["NAD\_1927\_StatePlane\_Pennsylvania\_North\_FIPS\_3701",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-77.75],PARAMETER["Standard\_Parallel\_1",40.88333333333333],PARAMETER["Standard\_Parallel\_2",41.95],PARAMETER["Latitude\_Of\_Origin",40.16666666666666],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Pennsylvania South FIPS 3702,32029**

PROJCS["NAD\_1927\_StatePlane\_Pennsylvania\_South\_FIPS\_3702",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-77.75],PARAMETER["Standard\_Parallel\_1",39.93333333333333],PARAMETER["Standard\_Parallel\_2",40.96666666666667],PARAMETER["Latitude\_Of\_Origin",39.33333333333334],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Puerto Rico FIPS 5201,32059**

PROJCS["NAD\_1927\_StatePlane\_Puerto\_Rico\_FIPS\_5201",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-66.43333333333334],PARAMETER["Standard\_Parallel\_1",18.03333333333334],PARAMETER["Standard\_Parallel\_2",18.43333333333333],PARAMETER["Latitude\_Of\_Origin",17.83333333333333],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Rhode Island FIPS 3800,32030**

PROJCS["NAD\_1927\_StatePlane\_Rhode\_Island\_FIPS\_3800",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-71.5],PARAMETER["Scale\_Factor",0.99999375],PARAMETER["Latitude\_Of\_Origin",41.08333333333334],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane South Carolina North FIPS 3901,32031**

PROJCS["NAD\_1927\_StatePlane\_South\_Carolina\_North\_FIPS\_3901",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-81],PARAMETER["Standard\_Parallel\_1",33.76666666666667],PARAMETER["Standard\_Parallel\_2",34.96666666666667],PARAMETER["Latitude\_Of\_Origin",33],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane South Carolina South FIPS 3902,32033**

PROJCS["NAD\_1927\_StatePlane\_South\_Carolina\_South\_FIPS\_3902",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-81],PARAMETER["Standard\_Parallel\_1",32.33333333333334],PARAMETER["Standard\_Parallel\_2",33.66666666666666],PARAMETER["Latitude\_Of\_Origin",31.83333333333333],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane South Dakota North FIPS 4001,32034**

PROJCS["NAD\_1927\_StatePlane\_South\_Dakota\_North\_FIPS\_4001",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-100],PARAMETER["Standard\_Parallel\_1",44.41666666666666],PARAMETER["Standard\_Parallel\_2",45.68333333333333],PARAMETER["Latitude\_Of\_Origin",43.83333333333334],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane South Dakota South FIPS 4002,32035**

PROJCS["NAD\_1927\_StatePlane\_South\_Dakota\_South\_FIPS\_4002",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-100.33333333333333],PARAMETER["Standard\_Parallel\_1",42.83333333333334],PARAMETER["Standard\_Parallel\_2",44.4],PARAMETER["Latitude\_Of\_Origin",42.33333333333334],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Tennessee FIPS 4100,32036**

PROJCS["NAD\_1927\_StatePlane\_Tennessee\_FIPS\_4100",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",100000],PARAMETER["Central\_Meridian",-86],PARAMETER["Standard\_Parallel\_1",35.25],PARAMETER["Standard\_Parallel\_2",36.41666666666666],PARAMETER["Latitude\_Of\_Origin",34.66666666666666],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Texas Central FIPS 4203,32039**

PROJCS["NAD\_1927\_StatePlane\_Texas\_Central\_FIPS\_4203",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-100.33333333333333],PARAMETER["Standard\_Parallel\_1",30.116666666666667],PARAMETER["Standard\_Parallel\_2",31.883333333333333],PARAMETER["Latitude\_Of\_Origin",29.666666666666667],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Texas North Central FIPS 4202,32038**

PROJCS["NAD\_1927\_StatePlane\_Texas\_North\_Central\_FIPS\_4202",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-97.5],PARAMETER["Standard\_Parallel\_1",32.13333333333333],PARAMETER["Standard\_Parallel\_2",33.966666666666667],PARAMETER["Latitude\_Of\_Origin",31.666666666666667],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Texas North FIPS 4201,32037**

PROJCS["NAD\_1927\_StatePlane\_Texas\_North\_FIPS\_4201",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-101.5],PARAMETER["Standard\_Parallel\_1",34.65],PARAMETER["Standard\_Parallel\_2",36.18333333333333],PARAMETER["Latitude\_Of\_Origin",34],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Texas South Central FIPS 4204,32040**

PROJCS["NAD\_1927\_StatePlane\_Texas\_South\_Central\_FIPS\_4204",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-99],PARAMETER["Standard\_Parallel\_1",28.38333333333333],PARAMETER["Standard\_Parallel\_2",30.283333333333334],PARAMETER["Latitude\_Of\_Origin",27.83333333333333],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Texas South FIPS 4205,32041**

PROJCS["NAD\_1927\_StatePlane\_Texas\_South\_FIPS\_4205",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-98.5],PARAMETER["Standard\_Parallel\_1",26.166666666666667],PARAMETER["Standard\_Parallel\_2",27.83333333333333],PARAMETER["Latitude\_Of\_Origin",25.666666666666667],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Utah Central FIPS 4302,32043**

PROJCS["NAD\_1927\_StatePlane\_Utah\_Central\_FIPS\_4302",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-111.5],PARAMETER["Standard\_Parallel\_1",39.016666666666667],PARAMETER["Standard\_Parallel\_2",40.65],PARAMETER["Latitude\_Of\_Origin",38.333333333333334],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Utah North FIPS 4301,32042**

PROJCS["NAD\_1927\_StatePlane\_Utah\_North\_FIPS\_4301",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-111.5],PARAMETER["Standard\_Parallel\_1",40.716666666666667],PARAMETER["Standard\_Parallel\_2",41.78333333333333],PARAMETER["Latitude\_Of\_Origin",40.333333333333334],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Utah South FIPS 4303,32044**

PROJCS["NAD\_1927\_StatePlane\_Utah\_South\_FIPS\_4303",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-111.5],PARAMETER["Standard\_Parallel\_1",37.216666666666667],PARAMETER["Standard\_Parallel\_2",38.35],PARAMETER["Latitude\_Of\_Origin",36.66666666666666],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Vermont FIPS 3400,32045**

PROJCS["NAD\_1927\_StatePlane\_Vermont\_FIPS\_3400",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-72.5],PARAMETER["Scale\_Factor",0.9999642857142858],PARAMETER["Latitude\_Of\_Origin",42.5],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Virgin Islands St Croix FIPS 5202,32060**

PROJCS["NAD\_1927\_StatePlane\_Virgin\_Islands\_St\_Croix\_FIPS\_5202",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",100000],PARAMETER["Central\_Meridian",-66.43333333333334],PARAMETER["Standard\_Parallel\_1",18.03333333333334],PARAMETER["Standard\_Parallel\_2",18.43333333333333],PARAMETER["Latitude\_Of\_Origin",17.83333333333333],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Virginia North FIPS 4501,32046**

PROJCS["NAD\_1927\_StatePlane\_Virginia\_North\_FIPS\_4501",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-78.5],PARAMETER["Standard\_Parallel\_1",38.03333333333333],PARAMETER["Standard\_Parallel\_2",39.2],PARAMETER["Latitude\_Of\_Origin",37.66666666666666],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Virginia South FIPS 4502,32047**

PROJCS["NAD\_1927\_StatePlane\_Virginia\_South\_FIPS\_4502",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-78.5],PARAMETER["Standard\_Parallel\_1",36.76666666666667],PARAMETER["Standard\_Parallel\_2",37.96666666666667],PARAMETER["Latitude\_Of\_Origin",36.33333333333334],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Washington North FIPS 4601,32048**

PROJCS["NAD\_1927\_StatePlane\_Washington\_North\_FIPS\_4601",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-120.83333333333333],PARAMETER["Standard\_Parallel\_1",47.5],PARAMETER["Standard\_Parallel\_2",48.73333333333333],PARAMETER["Latitude\_Of\_Origin",47],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Washington South FIPS 4602,32049**

PROJCS["NAD\_1927\_StatePlane\_Washington\_South\_FIPS\_4602",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-120.5],PARAMETER["Standard\_Parallel\_1",45.83333333333334],PARAMETER["Standard\_Parallel\_2",47.33333333333334],PARAMETER["Latitude\_Of\_Origin",45.33333333333334],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane West Virginia North FIPS 4701,32050**

PROJCS["NAD\_1927\_StatePlane\_West\_Virginia\_North\_FIPS\_4701",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-79.5],PARAMETER["Standard\_Parallel\_1",39],PARAMETER["Standard\_Parallel\_2",40.25],PARAMETER["Latitude\_Of\_Origin",38.5],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane West Virginia South FIPS 4702,32051**

PROJCS["NAD\_1927\_StatePlane\_West\_Virginia\_South\_FIPS\_4702",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-81],PARAMETER["Standard\_Parallel\_1",37.48333333333333],PARAMETER["Standard\_Parallel\_2",38.88333333333333],PARAMETER["Latitude\_Of\_Origin",37],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Wisconsin Central FIPS 4802,32053**

PROJCS["NAD\_1927\_StatePlane\_Wisconsin\_Central\_FIPS\_4802",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-90],PARAMETER["Standard\_Parallel\_1",44.25],PARAMETER["Standard\_Parallel\_2",45.5],PARAMETER["Latitude\_Of\_Origin",43.83333333333334],UNIT["Foot\_US",0.30480060960121924]]

**NAD 1927 StatePlane Wisconsin North FIPS 4801,32052**

```
PROJCS["NAD_1927_StatePlane_Wisconsin_North_FIPS_4801",GEOGCS["GCS_North_American_1927",DATUM["D_North_American_1927",SPHEROID["Clarke_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert_Conformal_Conic"],PARAMETER["False_Easting",2000000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-90],PARAMETER["Standard_Parallel_1",45.56666666666667],PARAMETER["Standard_Parallel_2",46.76666666666667],PARAMETER["Latitude_Of_Origin",45.16666666666667],UNIT["Foot_US",0.30480060960121924]]
```

**NAD 1927 StatePlane Wisconsin South FIPS 4803,32054**

```
PROJCS["NAD_1927_StatePlane_Wisconsin_South_FIPS_4803",GEOGCS["GCS_North_American_1927",DATUM["D_North_American_1927",SPHEROID["Clarke_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert_Conformal_Conic"],PARAMETER["False_Easting",2000000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-90],PARAMETER["Standard_Parallel_1",42.73333333333333],PARAMETER["Standard_Parallel_2",44.06666666666667],PARAMETER["Latitude_Of_Origin",42],UNIT["Foot_US",0.30480060960121924]]
```

**NAD 1927 StatePlane Wyoming East Central FIPS 4902,32056**

```
PROJCS["NAD_1927_StatePlane_Wyoming_East_Central_FIPS_4902",GEOGCS["GCS_North_American_1927",DATUM["D_North_American_1927",SPHEROID["Clarke_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-107.33333333333333],PARAMETER["Scale_Factor",0.9999411764705882],PARAMETER["Latitude_Of_Origin",40.66666666666667],UNIT["Foot_US",0.30480060960121924]]
```

**NAD 1927 StatePlane Wyoming East FIPS 4901,32055**

```
PROJCS["NAD_1927_StatePlane_Wyoming_East_FIPS_4901",GEOGCS["GCS_North_American_1927",DATUM["D_North_American_1927",SPHEROID["Clarke_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-105.16666666666667],PARAMETER["Scale_Factor",0.9999411764705882],PARAMETER["Latitude_Of_Origin",40.66666666666667],UNIT["Foot_US",0.30480060960121924]]
```

**NAD 1927 StatePlane Wyoming West Central FIPS 4903,32057**

```
PROJCS["NAD_1927_StatePlane_Wyoming_West_Central_FIPS_4903",GEOGCS["GCS_North_American_1927",DATUM["D_North_American_1927",SPHEROID["Clarke_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-108.75],PARAMETER["Scale_Factor",0.9999411764705882],PARAMETER["Latitude_Of_Origin",40.66666666666667],UNIT["Foot_US",0.30480060960121924]]
```

**NAD 1927 StatePlane Wyoming West FIPS 4904,32058**

```
PROJCS["NAD_1927_StatePlane_Wyoming_West_FIPS_4904",GEOGCS["GCS_North_American_1927",DATUM["D_North_American_1927",SPHEROID["Clarke_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-110.08333333333333],PARAMETER["Scale_Factor",0.9999411764705882],PARAMETER["Latitude_Of_Origin",40.66666666666667],UNIT["Foot_US",0.30480060960121924]]
```

**NAD 1927 UTM Zone 10N,26710**

```
PROJCS["NAD_1927_UTM_Zone_10N",GEOGCS["GCS_North_American_1927",DATUM["D_North_American_1927",SPHEROID["Clarke_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-123],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**NAD 1927 UTM Zone 11N,26711**

```
PROJCS["NAD_1927_UTM_Zone_11N",GEOGCS["GCS_North_American_1927",DATUM["D_North_American_1927",SPHEROID["Clarke_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-117],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**NAD 1927 UTM Zone 12N,26712**

```
PROJCS["NAD_1927_UTM_Zone_12N",GEOGCS["GCS_North_American_1927",DATUM["D_North_American_1927",SPHEROID["Clarke_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-111],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**NAD 1927 UTM Zone 13N,26713**

```
PROJCS["NAD_1927_UTM_Zone_13N",GEOGCS["GCS_North_American_1927",DATUM["D_North_American_1927",SPHEROID["Clarke_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PA
```

RAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-105],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1927 UTM Zone 14N,26714**

PROJCS["NAD\_1927\_UTM\_Zone\_14N",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-99],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1927 UTM Zone 15N,26715**

PROJCS["NAD\_1927\_UTM\_Zone\_15N",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-93],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1927 UTM Zone 16N,26716**

PROJCS["NAD\_1927\_UTM\_Zone\_16N",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-87],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1927 UTM Zone 17N,26717**

PROJCS["NAD\_1927\_UTM\_Zone\_17N",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-81],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1927 UTM Zone 18N,26718**

PROJCS["NAD\_1927\_UTM\_Zone\_18N",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-75],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1927 UTM Zone 19N,26719**

PROJCS["NAD\_1927\_UTM\_Zone\_19N",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-69],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1927 UTM Zone 20N,26720**

PROJCS["NAD\_1927\_UTM\_Zone\_20N",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-63],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1927 UTM Zone 21N,26721**

PROJCS["NAD\_1927\_UTM\_Zone\_21N",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-57],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1927 UTM Zone 22N,26722**

PROJCS["NAD\_1927\_UTM\_Zone\_22N",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-51],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1927 UTM Zone 3N,26703**

PROJCS["NAD\_1927\_UTM\_Zone\_3N",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-165],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1927 UTM Zone 4N,26704**

PROJCS["NAD\_1927\_UTM\_Zone\_4N",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-159],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1927 UTM Zone 5N,26705**

PROJCS["NAD\_1927\_UTM\_Zone\_5N",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-153],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1927 UTM Zone 6N,26706**

PROJCS["NAD\_1927\_UTM\_Zone\_6N",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-147],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1927 UTM Zone 7N,26707**

PROJCS["NAD\_1927\_UTM\_Zone\_7N",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-141],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1927 UTM Zone 8N,26708**

PROJCS["NAD\_1927\_UTM\_Zone\_8N",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-135],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1927 UTM Zone 9N,26709**

PROJCS["NAD\_1927\_UTM\_Zone\_9N",GEOGCS["GCS\_North\_American\_1927",DATUM["D\_North\_American\_1927",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-129],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1983 MTM 1,32181**

PROJCS["NAD\_1983\_MTM\_1",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",304800],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-53],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1983 MTM 10,32190**

PROJCS["NAD\_1983\_MTM\_10",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",304800],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-79.5],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1983 MTM 11,32191**

PROJCS["NAD\_1983\_MTM\_11",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",304800],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-82.5],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1983 MTM 12,32192**

PROJCS["NAD\_1983\_MTM\_12",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",304800],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-81],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1983 MTM 13,32193**

PROJCS["NAD\_1983\_MTM\_13",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER

R["False\_Easting",304800],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-84],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1983 MTM 14,32194**

PROJCS["NAD\_1983\_MTM\_14",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",304800],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-87],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1983 MTM 15,32195**

PROJCS["NAD\_1983\_MTM\_15",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",304800],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-90],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1983 MTM 16,32196**

PROJCS["NAD\_1983\_MTM\_16",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",304800],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-93],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1983 MTM 17,32197**

PROJCS["NAD\_1983\_MTM\_17",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",304800],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-96],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1983 MTM 2,32182**

PROJCS["NAD\_1983\_MTM\_2",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",304800],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-56],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1983 MTM 2 SCoPQ,32180**

PROJCS["NAD\_1983\_MTM\_2\_SCoPQ",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",304800],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-55.5],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1983 MTM 3,32183**

PROJCS["NAD\_1983\_MTM\_3",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",304800],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-58.5],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1983 MTM 4,32184**

PROJCS["NAD\_1983\_MTM\_4",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",304800],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-61.5],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1983 MTM 5,32185**

PROJCS["NAD\_1983\_MTM\_5",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",304800],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-64.5],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1983 MTM 6,32186**

PROJCS["NAD\_1983\_MTM\_6",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",304800],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-67.5],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1983 MTM 7,32187**

PROJCS["NAD\_1983\_MTM\_7",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",304800],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-70.5],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1983 MTM 8,32188**

PROJCS["NAD\_1983\_MTM\_8",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",304800],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-73.5],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1983 MTM 9,32189**

PROJCS["NAD\_1983\_MTM\_9",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",304800],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-76.5],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1983 StatePlane Alabama East FIPS 0101,26929**

PROJCS["NAD\_1983\_StatePlane\_Alabama\_East\_FIPS\_0101",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",200000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-85.83333333333333],PARAMETER["Scale\_Factor",0.99996],PARAMETER["Latitude\_Of\_Origin",30.5],UNIT["Meter",1]]

**NAD 1983 StatePlane Alabama West FIPS 0102,26930**

PROJCS["NAD\_1983\_StatePlane\_Alabama\_West\_FIPS\_0102",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",600000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-87.5],PARAMETER["Scale\_Factor",0.9999333333333333],PARAMETER["Latitude\_Of\_Origin",30],UNIT["Meter",1]]

**NAD 1983 StatePlane Alaska 1 FIPS 5001,26931**

PROJCS["NAD\_1983\_StatePlane\_Alaska\_1\_FIPS\_5001",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Hotine\_Oblique\_Mercator\_Azimuth\_Natural\_Origin"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",-500000],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Azimuth",-36.86989764583333],PARAMETER["Longitude\_Of\_Center",-133.66666666666667],PARAMETER["Latitude\_Of\_Center",57],UNIT["Meter",1]]

**NAD 1983 StatePlane Alaska 10 FIPS 5010,26940**

PROJCS["NAD\_1983\_StatePlane\_Alaska\_10\_FIPS\_5010",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",100000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-176],PARAMETER["Standard\_Parallel\_1",51.83333333333334],PARAMETER["Standard\_Parallel\_2",53.83333333333334],PARAMETER["Latitude\_Of\_Origin",51],UNIT["Meter",1]]

**NAD 1983 StatePlane Alaska 2 FIPS 5002,26932**

PROJCS["NAD\_1983\_StatePlane\_Alaska\_2\_FIPS\_5002",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-142],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",54],UNIT["Meter",1]]

**NAD 1983 StatePlane Alaska 3 FIPS 5003,26933**

PROJCS["NAD\_1983\_StatePlane\_Alaska\_3\_FIPS\_5003",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-146],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",54],UNIT["Meter",1]]

**NAD 1983 StatePlane Alaska 4 FIPS 5004,26934**

PROJCS["NAD\_1983\_StatePlane\_Alaska\_4\_FIPS\_5004",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-150],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",54],UNIT["Meter",1]]

**NAD 1983 StatePlane Alaska 5 FIPS 5005,26935**

PROJCS["NAD\_1983\_StatePlane\_Alaska\_5\_FIPS\_5005",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-154],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",54],UNIT["Meter",1]]

**NAD 1983 StatePlane Alaska 6 FIPS 5006,26936**

PROJCS["NAD\_1983\_StatePlane\_Alaska\_6\_FIPS\_5006",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-158],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",54],UNIT["Meter",1]]

**NAD 1983 StatePlane Alaska 7 FIPS 5007,26937**

PROJCS["NAD\_1983\_StatePlane\_Alaska\_7\_FIPS\_5007",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-162],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",54],UNIT["Meter",1]]

**NAD 1983 StatePlane Alaska 8 FIPS 5008,26938**

PROJCS["NAD\_1983\_StatePlane\_Alaska\_8\_FIPS\_5008",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-166],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",54],UNIT["Meter",1]]

**NAD 1983 StatePlane Alaska 9 FIPS 5009,26939**

PROJCS["NAD\_1983\_StatePlane\_Alaska\_9\_FIPS\_5009",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-170],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",54],UNIT["Meter",1]]

**NAD 1983 StatePlane Arizona Central FIPS 0202,26949**

PROJCS["NAD\_1983\_StatePlane\_Arizona\_Central\_FIPS\_0202",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",213360],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-111.91666666666667],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",31],UNIT["Meter",1]]

**NAD 1983 StatePlane Arizona East FIPS 0201,26948**

PROJCS["NAD\_1983\_StatePlane\_Arizona\_East\_FIPS\_0201",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",213360],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-110.16666666666667],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",31],UNIT["Meter",1]]

**NAD 1983 StatePlane Arizona West FIPS 0203,26950**

PROJCS["NAD\_1983\_StatePlane\_Arizona\_West\_FIPS\_0203",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",213360],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-113.75],PARAMETER["Scale\_Factor",0.9999333333333333],PARAMETER["Latitude\_Of\_Origin",31],UNIT["Meter",1]]

**NAD 1983 StatePlane Arkansas North FIPS 0301,26951**

PROJCS["NAD\_1983\_StatePlane\_Arkansas\_North\_FIPS\_0301",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",400000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-92],PARAMETER["Standard\_Parallel\_1",34.93333333333333],PARAMETER["Standard\_Parallel\_2",36.23333333333333],PARAMETER["Latitude\_Of\_Origin",34.33333333333334],UNIT["Meter",1]]

**NAD 1983 StatePlane Arkansas South FIPS 0302,26952**

PROJCS["NAD\_1983\_StatePlane\_Arkansas\_South\_FIPS\_0302",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",400000],PARAMETER["False\_Northing",400000],PARAMETER["Central\_Meridian",-92],PARAMETER["Standard\_Parallel\_1",33.3],PARAMETER["Standard\_Parallel\_2",34.76666666666667],PARAMETER["Latitude\_Of\_Origin",32.66666666666667],UNIT["Meter",1]]

**NAD 1983 StatePlane California I FIPS 0401,26941**

PROJCS["NAD\_1983\_StatePlane\_California\_I\_FIPS\_0401",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",500000],PARAMETER["Central\_Meridian",-122],PARAMETER["Standard\_Parallel\_1",40],PARAMETER["Standard\_Parallel\_2",41.66666666666666],PARAMETER["Latitude\_Of\_Origin",39.33333333333334],UNIT["Meter",1]]

**NAD 1983 StatePlane California II FIPS 0402,26942**

PROJCS["NAD\_1983\_StatePlane\_California\_II\_FIPS\_0402",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",500000],PARAMETER["Central\_Meridian",-122],PARAMETER["Standard\_Parallel\_1",38.33333333333334],PARAMETER["Standard\_Parallel\_2",39.83333333333334],PARAMETER["Latitude\_Of\_Origin",37.66666666666666],UNIT["Meter",1]]

**NAD 1983 StatePlane California III FIPS 0403,26943**

PROJCS["NAD\_1983\_StatePlane\_California\_III\_FIPS\_0403",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",500000],PARAMETER["Central\_Meridian",-120.5],PARAMETER["Standard\_Parallel\_1",37.06666666666667],PARAMETER["Standard\_Parallel\_2",38.43333333333333],PARAMETER["Latitude\_Of\_Origin",36.5],UNIT["Meter",1]]

**NAD 1983 StatePlane California IV FIPS 0404,26944**

PROJCS["NAD\_1983\_StatePlane\_California\_IV\_FIPS\_0404",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",500000],PARAMETER["Central\_Meridian",-119],PARAMETER["Standard\_Parallel\_1",36],PARAMETER["Standard\_Parallel\_2",37.25],PARAMETER["Latitude\_Of\_Origin",35.33333333333334],UNIT["Meter",1]]

**NAD 1983 StatePlane California V FIPS 0405,26945**

PROJCS["NAD\_1983\_StatePlane\_California\_V\_FIPS\_0405",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",500000],PARAMETER["Central\_Meridian",-118],PARAMETER["Standard\_Parallel\_1",34.03333333333333],PARAMETER["Standard\_Parallel\_2",35.46666666666667],PARAMETER["Latitude\_Of\_Origin",33.5],UNIT["Meter",1]]

**NAD 1983 StatePlane California VI FIPS 0406,26946**

PROJCS["NAD\_1983\_StatePlane\_California\_VI\_FIPS\_0406",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",500000],PARAMETER["Central\_Meridian",-116.25],PARAMETER["Standard\_Parallel\_1",32.78333333333333],PARAMETER["Standard\_Parallel\_2",33.88333333333333],PARAMETER["Latitude\_Of\_Origin",32.16666666666666],UNIT["Meter",1]]

**NAD 1983 StatePlane Colorado Central FIPS 0502,26954**

PROJCS["NAD\_1983\_StatePlane\_Colorado\_Central\_FIPS\_0502",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",914401.8289],PARAMETER["False\_Northing",304800.6096],PARAMETER["Central\_Meridian",-105.5],PARAMETER["Standard\_Parallel\_1",38.45],PARAMETER["Standard\_Parallel\_2",39.75],PARAMETER["Latitude\_Of\_Origin",37.83333333333334],UNIT["Meter",1]]

**NAD 1983 StatePlane Colorado North FIPS 0501,26953**

PROJCS["NAD\_1983\_StatePlane\_Colorado\_North\_FIPS\_0501",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",914401.8289],PARAMETER["False\_Northing",304800.6096],PARAMETER["Central\_Meridian",-105.5],PARAMETER["Standard\_Parallel\_1",39.71666666666667],PARAMETER["Standard\_Parallel\_2",40.78333333333333],PARAMETER["Latitude\_Of\_Origin",39.33333333333334],UNIT["Meter",1]]

**NAD 1983 StatePlane Colorado South FIPS 0503,26955**

PROJCS["NAD\_1983\_StatePlane\_Colorado\_South\_FIPS\_0503",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",914401.8289],PARAMETER["False\_Northing",304800.6096],PARAMETER["Central\_Meridian",-105.5],PARAMETER["Standard\_Parallel\_1",37.23333333333333],PARAMETER["Standard\_Parallel\_2",38.43333333333333],PARAMETER["Latitude\_Of\_Origin",36.66666666666666],UNIT["Meter",1]]

**NAD 1983 StatePlane Connecticut FIPS 0600,26956**

PROJCS["NAD\_1983\_StatePlane\_Connecticut\_FIPS\_0600",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",304800.6096],PARAMETER["False\_Northing",152400.3048],PARAMETER["Central\_Meridian",-72.75],PARAMETER["Standard\_Parallel\_1",41.2],PARAMETER["Standard\_Parallel\_2",41.86666666666667],PARAMETER["Latitude\_Of\_Origin",40.83333333333334],UNIT["Meter",1]]

**NAD 1983 StatePlane Delaware FIPS 0700,26957**

PROJCS["NAD\_1983\_StatePlane\_Delaware\_FIPS\_0700",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",200000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-75.41666666666667],PARAMETER["Scale\_Factor",0.999995],PARAMETER["Latitude\_Of\_Origin",38],UNIT["Meter",1]]

**NAD 1983 StatePlane Florida East FIPS 0901,26958**

PROJCS["NAD\_1983\_StatePlane\_Florida\_East\_FIPS\_0901",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",200000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-81],PARAMETER["Scale\_Factor",0.9999411764705882],PARAMETER["Latitude\_Of\_Origin",24.33333333333333],UNIT["Meter",1]]

**NAD 1983 StatePlane Florida North FIPS 0903,26960**

PROJCS["NAD\_1983\_StatePlane\_Florida\_North\_FIPS\_0903",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",600000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-84.5],PARAMETER["Standard\_Parallel\_1",29.58333333333333],PARAMETER["Standard\_Parallel\_2",30.75],PARAMETER["Latitude\_Of\_Origin",29],UNIT["Meter",1]]

**NAD 1983 StatePlane Florida West FIPS 0902,26959**

PROJCS["NAD\_1983\_StatePlane\_Florida\_West\_FIPS\_0902",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",200000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-82],PARAMETER["Scale\_Factor",0.9999411764705882],PARAMETER["Latitude\_Of\_Origin",24.33333333333333],UNIT["Meter",1]]

**NAD 1983 StatePlane Georgia East FIPS 1001,26966**

PROJCS["NAD\_1983\_StatePlane\_Georgia\_East\_FIPS\_1001",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",200000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-82.16666666666667],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",30],UNIT["Meter",1]]

**NAD 1983 StatePlane Georgia West FIPS 1002,26967**

PROJCS["NAD\_1983\_StatePlane\_Georgia\_West\_FIPS\_1002",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",700000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-84.16666666666667],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",30],UNIT["Meter",1]]

**NAD 1983 StatePlane Guam FIPS 5400,65161**

PROJCS["NAD\_1983\_StatePlane\_Guam\_FIPS\_5400",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Polyconic"],PARAMETER["False\_Easting",50000],PARAMETER["False\_Northing",50000],PARAMETER["Central\_Meridian",-144.7487507055556],PARAMETER["Latitude\_Of\_Origin",13.47246635277778],UNIT["Meter",1]]

**NAD 1983 StatePlane Hawaii 1 FIPS 5101,26961**

PROJCS["NAD\_1983\_StatePlane\_Hawaii\_1\_FIPS\_5101",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-155.5],PARAMETER["Scale\_Factor",0.9999666666666667],PARAMETER["Latitude\_Of\_Origin",18.83333333333333],UNIT["Meter",1]]

**NAD 1983 StatePlane Hawaii 2 FIPS 5102,26962**

PROJCS["NAD\_1983\_StatePlane\_Hawaii\_2\_FIPS\_5102",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-156.66666666666667],PARAMETER["Scale\_Factor",0.9999666666666667],PARAMETER["Latitude\_Of\_Origin",20.33333333333333],UNIT["Meter",1]]

**NAD 1983 StatePlane Hawaii 3 FIPS 5103,26963**

PROJCS["NAD\_1983\_StatePlane\_Hawaii\_3\_FIPS\_5103",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-158],PARAMETER["Scale\_Factor",0.9999900000000001],PARAMETER["Latitude\_Of\_Origin",21.16666666666667],UNIT["Meter",1]]

**NAD 1983 StatePlane Hawaii 4 FIPS 5104,26964**

PROJCS["NAD\_1983\_StatePlane\_Hawaii\_4\_FIPS\_5104",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-159.5],PARAMETER["Scale\_Factor",0.9999900000000001],PARAMETER["Latitude\_Of\_Origin",21.83333333333333],UNIT["Meter",1]]

**NAD 1983 StatePlane Hawaii 5 FIPS 5105,26965**

PROJCS["NAD\_1983\_StatePlane\_Hawaii\_5\_FIPS\_5105",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-160.16666666666667],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",21.66666666666667],UNIT["Meter",1]]

**NAD 1983 StatePlane Idaho Central FIPS 1102,26969**

PROJCS["NAD\_1983\_StatePlane\_Idaho\_Central\_FIPS\_1102",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-114],PARAMETER["Scale\_Factor",0.9999473684210526],PARAMETER["Latitude\_Of\_Origin",41.66666666666667],UNIT["Meter",1]]

**NAD 1983 StatePlane Idaho East FIPS 1101,26968**

PROJCS["NAD\_1983\_StatePlane\_Idaho\_East\_FIPS\_1101",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",200000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-112.16666666666667],PARAMETER["Scale\_Factor",0.9999473684210526],PARAMETER["Latitude\_Of\_Origin",41.66666666666667],UNIT["Meter",1]]

**NAD 1983 StatePlane Idaho West FIPS 1103,26970**

PROJCS["NAD\_1983\_StatePlane\_Idaho\_West\_FIPS\_1103",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",800000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-115.75],PARAMETER["Scale\_Factor",0.9999333333333333],PARAMETER["Latitude\_Of\_Origin",41.66666666666667],UNIT["Meter",1]]

**NAD 1983 StatePlane Illinois East FIPS 1201,26971**

PROJCS["NAD\_1983\_StatePlane\_Illinois\_East\_FIPS\_1201",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",300000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-88.33333333333333],PARAMETER["Scale\_Factor",0.999975],PARAMETER["Latitude\_Of\_Origin",36.66666666666667],UNIT["Meter",1]]

**NAD 1983 StatePlane Illinois West FIPS 1202,26972**

PROJCS["NAD\_1983\_StatePlane\_Illinois\_West\_FIPS\_1202",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",700000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-90.16666666666667],PARAMETER["Scale\_Factor",0.9999411764705882],PARAMETER["Latitude\_Of\_Origin",36.66666666666667],UNIT["Meter",1]]

**NAD 1983 StatePlane Indiana East FIPS 1301,26973**

PROJCS["NAD\_1983\_StatePlane\_Indiana\_East\_FIPS\_1301",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",100000],PARAMETER["False\_Northing",250000],PARAMETER["Central\_Meridian",-85.66666666666667],PARAMETER["Scale\_Factor",0.9999666666666667],PARAMETER["Latitude\_Of\_Origin",37.5],UNIT["Meter",1]]

**NAD 1983 StatePlane Indiana West FIPS 1302,26974**

PROJCS["NAD\_1983\_StatePlane\_Indiana\_West\_FIPS\_1302",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",900000],PARAMETER["False\_Northing",250000],PARAMETER["Central\_Meridian",-87.08333333333333],PARAMETER["Scale\_Factor",0.9999666666666667],PARAMETER["Latitude\_Of\_Origin",37.5],UNIT["Meter",1]]

**NAD 1983 StatePlane Iowa North FIPS 1401,26975**

PROJCS["NAD\_1983\_StatePlane\_Iowa\_North\_FIPS\_1401",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert

\_Conformal\_Conic"],PARAMETER["False\_Easting",1500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",-93.5],PARAMETER["Standard\_Parallel\_1",42.06666666666667],PARAMETER["Standard\_Parallel\_2",43.26666666666667],PARAMETER["Latitude\_Of\_Origin",41.5],UNIT["Meter",1]]

**NAD 1983 StatePlane Iowa South FIPS 1402,26976**

PROJCS["NAD\_1983\_StatePlane\_Iowa\_South\_FIPS\_1402",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-93.5],PARAMETER["Standard\_Parallel\_1",40.61666666666667],PARAMETER["Standard\_Parallel\_2",41.78333333333333],PARAMETER["Latitude\_Of\_Origin",40],UNIT["Meter",1]]

**NAD 1983 StatePlane Kansas North FIPS 1501,26977**

PROJCS["NAD\_1983\_StatePlane\_Kansas\_North\_FIPS\_1501",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",400000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-98],PARAMETER["Standard\_Parallel\_1",38.71666666666667],PARAMETER["Standard\_Parallel\_2",39.78333333333333],PARAMETER["Latitude\_Of\_Origin",38.33333333333334],UNIT["Meter",1]]

**NAD 1983 StatePlane Kansas South FIPS 1502,26978**

PROJCS["NAD\_1983\_StatePlane\_Kansas\_South\_FIPS\_1502",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",400000],PARAMETER["False\_Northing",400000],PARAMETER["Central\_Meridian",-98.5],PARAMETER["Standard\_Parallel\_1",37.26666666666667],PARAMETER["Standard\_Parallel\_2",38.56666666666667],PARAMETER["Latitude\_Of\_Origin",36.66666666666666],UNIT["Meter",1]]

**NAD 1983 StatePlane Kentucky North FIPS 1601,26979**

PROJCS["NAD\_1983\_StatePlane\_Kentucky\_North\_FIPS\_1601",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-84.25],PARAMETER["Standard\_Parallel\_1",37.96666666666667],PARAMETER["Standard\_Parallel\_2",38.96666666666667],PARAMETER["Latitude\_Of\_Origin",37.5],UNIT["Meter",1]]

**NAD 1983 StatePlane Kentucky South FIPS 1602,26980**

PROJCS["NAD\_1983\_StatePlane\_Kentucky\_South\_FIPS\_1602",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",500000],PARAMETER["Central\_Meridian",-85.75],PARAMETER["Standard\_Parallel\_1",36.73333333333333],PARAMETER["Standard\_Parallel\_2",37.93333333333333],PARAMETER["Latitude\_Of\_Origin",36.33333333333334],UNIT["Meter",1]]

**NAD 1983 StatePlane Louisiana North FIPS 1701,26981**

PROJCS["NAD\_1983\_StatePlane\_Louisiana\_North\_FIPS\_1701",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",1000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-92.5],PARAMETER["Standard\_Parallel\_1",31.16666666666667],PARAMETER["Standard\_Parallel\_2",32.66666666666666],PARAMETER["Latitude\_Of\_Origin",30.5],UNIT["Meter",1]]

**NAD 1983 StatePlane Louisiana South FIPS 1702,26982**

PROJCS["NAD\_1983\_StatePlane\_Louisiana\_South\_FIPS\_1702",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",1000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-91.33333333333333],PARAMETER["Standard\_Parallel\_1",29.3],PARAMETER["Standard\_Parallel\_2",30.7],PARAMETER["Latitude\_Of\_Origin",28.5],UNIT["Meter",1]]

**NAD 1983 StatePlane Maine East FIPS 1801,26983**

PROJCS["NAD\_1983\_StatePlane\_Maine\_East\_FIPS\_1801",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",300000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-68.5],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",43.66666666666666],UNIT["Meter",1]]

**NAD 1983 StatePlane Maine West FIPS 1802,26984**

PROJCS["NAD\_1983\_StatePlane\_Maine\_West\_FIPS\_1802",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",900000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-70.16666666666667],PARAMETER["Scale\_Factor",0.9999666666666667],PARAMETER["Latitude\_Of\_Origin",42.83333333333334],UNIT["Meter",1]]

**NAD 1983 StatePlane Maryland FIPS 1900,26985**

PROJCS["NAD\_1983\_StatePlane\_Maryland\_FIPS\_1900",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",400000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-77],PARAMETER["Standard\_Parallel\_1",38.3],PARAMETER["Standard\_Parallel\_2",39.45],PARAMETER["Latitude\_Of\_Origin",37.66666666666666],UNIT["Meter",1]]

**NAD 1983 StatePlane Massachusetts Island FIPS 2002,26987**

PROJCS["NAD\_1983\_StatePlane\_Massachusetts\_Island\_FIPS\_2002",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-70.5],PARAMETER["Standard\_Parallel\_1",41.28333333333333],PARAMETER["Standard\_Parallel\_2",41.48333333333333],PARAMETER["Latitude\_Of\_Origin",41],UNIT["Meter",1]]

**NAD 1983 StatePlane Massachusetts Mainland FIPS 2001,26986**

PROJCS["NAD\_1983\_StatePlane\_Massachusetts\_Mainland\_FIPS\_2001",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",200000],PARAMETER["False\_Northing",750000],PARAMETER["Central\_Meridian",-71.5],PARAMETER["Standard\_Parallel\_1",41.71666666666667],PARAMETER["Standard\_Parallel\_2",42.68333333333333],PARAMETER["Latitude\_Of\_Origin",41],UNIT["Meter",1]]

**NAD 1983 StatePlane Michigan Central FIPS 2202,26989**

PROJCS["NAD\_1983\_StatePlane\_Michigan\_Central\_FIPS\_2202",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",600000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-84.36666666666666],PARAMETER["Standard\_Parallel\_1",44.18333333333333],PARAMETER["Standard\_Parallel\_2",45.7],PARAMETER["Latitude\_Of\_Origin",43.31666666666667],UNIT["Meter",1]]

**NAD 1983 StatePlane Michigan North FIPS 2111,26988**

PROJCS["NAD\_1983\_StatePlane\_Michigan\_North\_FIPS\_2111",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",800000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-87],PARAMETER["Standard\_Parallel\_1",45.48333333333333],PARAMETER["Standard\_Parallel\_2",47.08333333333334],PARAMETER["Latitude\_Of\_Origin",44.78333333333333],UNIT["Meter",1]]

**NAD 1983 StatePlane Michigan South FIPS 2113,26990**

PROJCS["NAD\_1983\_StatePlane\_Michigan\_South\_FIPS\_2113",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",400000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-84.36666666666666],PARAMETER["Standard\_Parallel\_1",42.1],PARAMETER["Standard\_Parallel\_2",43.66666666666666],PARAMETER["Latitude\_Of\_Origin",41.5],UNIT["Meter",1]]

**NAD 1983 StatePlane Minnesota Central FIPS 2202,26992**

PROJCS["NAD\_1983\_StatePlane\_Minnesota\_Central\_FIPS\_2202",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",800000],PARAMETER["False\_Northing",100000],PARAMETER["Central\_Meridian",-94.25],PARAMETER["Standard\_Parallel\_1",45.61666666666667],PARAMETER["Standard\_Parallel\_2",47.05],PARAMETER["Latitude\_Of\_Origin",45],UNIT["Meter",1]]

**NAD 1983 StatePlane Minnesota North FIPS 2201,26991**

PROJCS["NAD\_1983\_StatePlane\_Minnesota\_North\_FIPS\_2201",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",800000],PARAMETER["False\_Northing",100000],PARAMETER["Central\_Meridian",-93.09999999999999],PARAMETER["Standard\_Parallel\_1",47.03333333333333],PARAMETER["Standard\_Parallel\_2",48.63333333333333],PARAMETER["Latitude\_Of\_Origin",46.5],UNIT["Meter",1]]

**NAD 1983 StatePlane Minnesota South FIPS 2203,26993**

PROJCS["NAD\_1983\_StatePlane\_Minnesota\_South\_FIPS\_2203",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",800000],PARAMETER["False\_Northing",100000],PARAMETER["Central\_Meridian",-94],PARAMETER["Standard\_Parallel\_1",43.78333333333333],PARAMETER["Standard\_Parallel\_2",45.21666666666667],PARAMETER["Latitude\_Of\_Origin",43],UNIT["Meter",1]]

**NAD 1983 StatePlane Mississippi East FIPS 2301,26994**

PROJCS["NAD\_1983\_StatePlane\_Mississippi\_East\_FIPS\_2301",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",300000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-88.83333333333333],PARAMETER["Scale\_Factor",0.99995],PARAMETER["Latitude\_Of\_Origin",29.5],UNIT["Meter",1]]

**NAD 1983 StatePlane Mississippi West FIPS 2302,26995**

PROJCS["NAD\_1983\_StatePlane\_Mississippi\_West\_FIPS\_2302",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",700000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-90.33333333333333],PARAMETER["Scale\_Factor",0.99995],PARAMETER["Latitude\_Of\_Origin",29.5],UNIT["Meter",1]]

**NAD 1983 StatePlane Missouri Central FIPS 2402,26997**

PROJCS["NAD\_1983\_StatePlane\_Missouri\_Central\_FIPS\_2402",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-92.5],PARAMETER["Scale\_Factor",0.9999333333333333],PARAMETER["Latitude\_Of\_Origin",35.83333333333334],UNIT["Meter",1]]

**NAD 1983 StatePlane Missouri East FIPS 2401,26996**

PROJCS["NAD\_1983\_StatePlane\_Missouri\_East\_FIPS\_2401",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",250000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-90.5],PARAMETER["Scale\_Factor",0.9999333333333333],PARAMETER["Latitude\_Of\_Origin",35.83333333333334],UNIT["Meter",1]]

**NAD 1983 StatePlane Missouri West FIPS 2403,26998**

PROJCS["NAD\_1983\_StatePlane\_Missouri\_West\_FIPS\_2403",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",850000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-94.5],PARAMETER["Scale\_Factor",0.9999411764705882],PARAMETER["Latitude\_Of\_Origin",36.16666666666666],UNIT["Meter",1]]

**NAD 1983 StatePlane Montana FIPS 2500,32100**

PROJCS["NAD\_1983\_StatePlane\_Montana\_FIPS\_2500",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",600000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-109.5],PARAMETER["Standard\_Parallel\_1",45],PARAMETER["Standard\_Parallel\_2",49],PARAMETER["Latitude\_Of\_Origin",44.25],UNIT["Meter",1]]

**NAD 1983 StatePlane Nebraska FIPS 2600,32104**

PROJCS["NAD\_1983\_StatePlane\_Nebraska\_FIPS\_2600",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-100],PARAMETER["Standard\_Parallel\_1",40],PARAMETER["Standard\_Parallel\_2",43],PARAMETER["Latitude\_Of\_Origin",39.83333333333334],UNIT["Meter",1]]

**NAD 1983 StatePlane Nevada Central FIPS 2702,32108**

PROJCS["NAD\_1983\_StatePlane\_Nevada\_Central\_FIPS\_2702",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",6000000],PARAMETER["Central\_Meridian",-116.66666666666667],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",34.75],UNIT["Meter",1]]

**NAD 1983 StatePlane Nevada East FIPS 2701,32107**

PROJCS["NAD\_1983\_StatePlane\_Nevada\_East\_FIPS\_2701",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",200000],PARAMETER["False\_Northing",8000000],PARAMETER["Central\_Meridian",-115.58333333333333],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",34.75],UNIT["Meter",1]]

**NAD 1983 StatePlane Nevada West FIPS 2703,32109**

PROJCS["NAD\_1983\_StatePlane\_Nevada\_West\_FIPS\_2703",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",800000],PARAMETER["False\_Northing",4000000],PARAMETER["Central\_Meridian",-118.58333333333333],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",34.75],UNIT["Meter",1]]

**NAD 1983 StatePlane New Hampshire FIPS 2800,32110**

PROJCS["NAD\_1983\_StatePlane\_New\_Hampshire\_FIPS\_2800",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",300000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-71.66666666666667],PARAMETER["Scale\_Factor",0.9999666666666667],PARAMETER["Latitude\_Of\_Origin",42.5],UNIT["Meter",1]]

**NAD 1983 StatePlane New Jersey FIPS 2900,32111**

PROJCS["NAD\_1983\_StatePlane\_New\_Jersey\_FIPS\_2900",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",150000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-74.5],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",38.83333333333334],UNIT["Meter",1]]

**NAD 1983 StatePlane New Mexico Central FIPS 3002,32113**

PROJCS["NAD\_1983\_StatePlane\_New\_Mexico\_Central\_FIPS\_3002",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-106.25],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",31],UNIT["Meter",1]]

**NAD 1983 StatePlane New Mexico East FIPS 3001,32112**

PROJCS["NAD\_1983\_StatePlane\_New\_Mexico\_East\_FIPS\_3001",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",165000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-104.33333333333333],PARAMETER["Scale\_Factor",0.9999090909090909],PARAMETER["Latitude\_Of\_Origin",31],UNIT["Meter",1]]

**NAD 1983 StatePlane New Mexico West FIPS 3003,32114**

PROJCS["NAD\_1983\_StatePlane\_New\_Mexico\_West\_FIPS\_3003",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",830000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-107.83333333333333],PARAMETER["Scale\_Factor",0.9999166666666667],PARAMETER["Latitude\_Of\_Origin",31],UNIT["Meter",1]]

**NAD 1983 StatePlane New York Central FIPS 3102,32116**

PROJCS["NAD\_1983\_StatePlane\_New\_York\_Central\_FIPS\_3102",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",250000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-76.58333333333333],PARAMETER["Scale\_Factor",0.9999375],PARAMETER["Latitude\_Of\_Origin",40],UNIT["Meter",1]]

**NAD 1983 StatePlane New York East FIPS 3101,32115**

PROJCS["NAD\_1983\_StatePlane\_New\_York\_East\_FIPS\_3101",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",150000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-74.5],PARAMETER["Scale\_Factor",0.9999],PARAMETER["Latitude\_Of\_Origin",38.83333333333334],UNIT["Meter",1]]

**NAD 1983 StatePlane New York Long Island FIPS 3104,32118**

PROJCS["NAD\_1983\_StatePlane\_New\_York\_Long\_Island\_FIPS\_3104",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",300000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-74],PARAMETER["Standard\_Parallel\_1",40.66666666666666],PARAMETER["Standard\_Parallel\_2",41.03333333333333],PARAMETER["Latitude\_Of\_Origin",40.16666666666666],UNIT["Meter",1]]

**NAD 1983 StatePlane New York West FIPS 3103,32117**

PROJCS["NAD\_1983\_StatePlane\_New\_York\_West\_FIPS\_3103",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",350000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-78.58333333333333],PARAMETER["Scale\_Factor",0.9999375],PARAMETER["Latitude\_Of\_Origin",40],UNIT["Meter",1]]

**NAD 1983 StatePlane North Carolina FIPS 3200,32119**

PROJCS["NAD\_1983\_StatePlane\_North\_Carolina\_FIPS\_3200",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",609601.22],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-79],PARAMETER["Standard\_Parallel\_1",34.33333333333334],PARAMETER["Standard\_Parallel\_2",36.16666666666666],PARAMETER["Latitude\_Of\_Origin",33.75],UNIT["Meter",1]]

**NAD 1983 StatePlane North Dakota North FIPS 3301,32120**

PROJCS["NAD\_1983\_StatePlane\_North\_Dakota\_North\_FIPS\_3301",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",600000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-100.5],PARAMETER["Standard\_Parallel\_1",47.43333333333333],PARAMETER["Standard\_Parallel\_2",48.73333333333333],PARAMETER["Latitude\_Of\_Origin",47],UNIT["Meter",1]]

**NAD 1983 StatePlane North Dakota South FIPS 3302,32121**

PROJCS["NAD\_1983\_StatePlane\_North\_Dakota\_South\_FIPS\_3302",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",600000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-100.5],PARAMETER["Standard\_Parallel\_1",46.18333333333333],PARAMETER["Standard\_Parallel\_2",47.48333333333333],PARAMETER["Latitude\_Of\_Origin",45.66666666666666],UNIT["Meter",1]]

**NAD 1983 StatePlane Ohio North FIPS 3401,32122**

PROJCS["NAD\_1983\_StatePlane\_Ohio\_North\_FIPS\_3401",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",600000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-82.5],PARAMETER["Standard\_Parallel\_1",40.43333333333333],PARAMETER["Standard\_Parallel\_2",41.7],PARAMETER["Latitude\_Of\_Origin",39.66666666666666],UNIT["Meter",1]]

**NAD 1983 StatePlane Ohio South FIPS 3402,32123**

PROJCS["NAD\_1983\_StatePlane\_Ohio\_South\_FIPS\_3402",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",600000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-82.5],PARAMETER["Standard\_Parallel\_1",38.73333333333333],PARAMETER["Standard\_Parallel\_2",40.03333333333333],PARAMETER["Latitude\_Of\_Origin",38],UNIT["Meter",1]]

**NAD 1983 StatePlane Oklahoma North FIPS 3501,32124**

PROJCS["NAD\_1983\_StatePlane\_Oklahoma\_North\_FIPS\_3501",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",600000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-98],PARAMETER["Standard\_Parallel\_1",35.56666666666667],PARAMETER["Standard\_Parallel\_2",36.76666666666667],PARAMETER["Latitude\_Of\_Origin",35],UNIT["Meter",1]]

**NAD 1983 StatePlane Oklahoma South FIPS 3502,32125**

PROJCS["NAD\_1983\_StatePlane\_Oklahoma\_South\_FIPS\_3502",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",600000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-98],PARAMETER["Standard\_Parallel\_1",33.93333333333333],PARAMETER["Standard\_Parallel\_2",35.23333333333333],PARAMETER["Latitude\_Of\_Origin",33.33333333333334],UNIT["Meter",1]]

**NAD 1983 StatePlane Oregon North FIPS 3601,32126**

PROJCS["NAD\_1983\_StatePlane\_Oregon\_North\_FIPS\_3601",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-120.5],PARAMETER["Standard\_Parallel\_1",44.33333333333334],PARAMETER["Standard\_Parallel\_2",46],PARAMETER["Latitude\_Of\_Origin",43.66666666666666],UNIT["Meter",1]]

**NAD 1983 StatePlane Oregon South FIPS 3602,32127**

PROJCS["NAD\_1983\_StatePlane\_Oregon\_South\_FIPS\_3602",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",1500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-120.5],PARAMETER["Standard\_Parallel\_1",42.33333333333334],PARAMETER["Standard\_Parallel\_2",44],PARAMETER["Latitude\_Of\_Origin",41.66666666666666],UNIT["Meter",1]]

**NAD 1983 StatePlane Pennsylvania North FIPS 3701,32128**

PROJCS["NAD\_1983\_StatePlane\_Pennsylvania\_North\_FIPS\_3701",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",600000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-77.75],PARAMETER["Standard\_Parallel\_1",40.88333333333333],PARAMETER["Standard\_Parallel\_2",41.95],PARAMETER["Latitude\_Of\_Origin",40.16666666666666],UNIT["Meter",1]]

**NAD 1983 StatePlane Pennsylvania South FIPS 3702,32129**

PROJCS["NAD\_1983\_StatePlane\_Pennsylvania\_South\_FIPS\_3702",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",600000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-77.75],PARAMETER["Standard\_Parallel\_1",39.93333333333333],PARAMETER["Standard\_Parallel\_2",40.96666666666667],PARAMETER["Latitude\_Of\_Origin",39.33333333333334],UNIT["Meter",1]]

**NAD 1983 StatePlane Puerto Rico Virgin Islands FIPS 5200,32161**

PROJCS["NAD\_1983\_StatePlane\_Puerto\_Rico\_Virgin\_Islands\_FIPS\_5200",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",200000],PARAMETER["False\_Northing",200000],PARAMETER["Central\_Meridian",-66.43333333333334],PARAMETER["Standard\_Parallel\_1",18.03333333333334],PARAMETER["Standard\_Parallel\_2",18.43333333333333],PARAMETER["Latitude\_Of\_Origin",17.83333333333333],UNIT["Meter",1]]

**NAD 1983 StatePlane Rhode Island FIPS 3800,32130**

PROJCS["NAD\_1983\_StatePlane\_Rhode\_Island\_FIPS\_3800",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",100000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-71.5],PARAMETER["Scale\_Factor",0.9999375],PARAMETER["Latitude\_Of\_Origin",41.08333333333334],UNIT["Meter",1]]

**NAD 1983 StatePlane South Carolina FIPS 3900,32133**

PROJCS["NAD\_1983\_StatePlane\_South\_Carolina\_FIPS\_3900",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",609600],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-81],PARAMETER["Standard\_Parallel\_1",32.5],PARAMETER["Standard\_Parallel\_2",34.83333333333334],PARAMETER["Latitude\_Of\_Origin",31.83333333333333],UNIT["Meter",1]]

**NAD 1983 StatePlane South Dakota North FIPS 4001,32134**

PROJCS["NAD\_1983\_StatePlane\_South\_Dakota\_North\_FIPS\_4001",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",600000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-100],PARAMETER["Standard\_Parallel\_1",44.41666666666667],PARAMETER["Standard\_Parallel\_2",45.68333333333333],PARAMETER["Latitude\_Of\_Origin",43.83333333333334],UNIT["Meter",1]]

**NAD 1983 StatePlane South Dakota South FIPS 4002,32135**

PROJCS["NAD\_1983\_StatePlane\_South\_Dakota\_South\_FIPS\_4002",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",600000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-100.33333333333333],PARAMETER["Standard\_Parallel\_1",42.83333333333334],PARAMETER["Standard\_Parallel\_2",44.4],PARAMETER["Latitude\_Of\_Origin",42.33333333333334],UNIT["Meter",1]]

**NAD 1983 StatePlane Tennessee FIPS 4100,32136**

PROJCS["NAD\_1983\_StatePlane\_Tennessee\_FIPS\_4100",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",600000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-86],PARAMETER["Standard\_Parallel\_1",35.25],PARAMETER["Standard\_Parallel\_2",36.41666666666667],PARAMETER["Latitude\_Of\_Origin",34.33333333333334],UNIT["Meter",1]]

**NAD 1983 StatePlane Texas Central FIPS 4203,32139**

PROJCS["NAD\_1983\_StatePlane\_Texas\_Central\_FIPS\_4203",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",700000],PARAMETER["False\_Northing",3000000],PARAMETER["Central\_Meridian",-98.5],PARAMETER["Standard\_Parallel\_1",30.11666666666667],PARAMETER["Standard\_Parallel\_2",31.88333333333333],PARAMETER["Latitude\_Of\_Origin",29.66666666666667],UNIT["Meter",1]]

**NAD 1983 StatePlane Texas North Central FIPS 4202,32138**

PROJCS["NAD\_1983\_StatePlane\_Texas\_North\_Central\_FIPS\_4202",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",600000],PARAMETER["False\_Northing",2000000],PARAMETER["Central\_Meridian",-98.5],PARAMETER["Standard\_Parallel\_1",32.13333333333333],PARAMETER["Standard\_Parallel\_2",33.96666666666667],PARAMETER["Latitude\_Of\_Origin",31.66666666666667],UNIT["Meter",1]]

**NAD 1983 StatePlane Texas North FIPS 4201,32137**

PROJCS["NAD\_1983\_StatePlane\_Texas\_North\_FIPS\_4201",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",200000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",-101.5],PARAMETER["Standard\_Parallel\_1",34.65],PARAMETER["Standard\_Parallel\_2",36.18333333333333],PARAMETER["Latitude\_Of\_Origin",34],UNIT["Meter",1]]

**NAD 1983 StatePlane Texas South Central FIPS 4204,32140**

PROJCS["NAD\_1983\_StatePlane\_Texas\_South\_Central\_FIPS\_4204",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",600000],PARAMETER["False\_Northing",4000000],PARAMETER["Central\_Meridian",-99],PARAMETER["Standard\_Parallel\_1",28.38333333333333],PARAMETER["Standard\_Parallel\_2",30.28333333333334],PARAMETER["Latitude\_Of\_Origin",27.83333333333333],UNIT["Meter",1]]

**NAD 1983 StatePlane Texas South FIPS 4205,32141**

PROJCS["NAD\_1983\_StatePlane\_Texas\_South\_FIPS\_4205",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",300000],PARAMETER["False\_Northing",5000000],PARAMETER["Central\_Meridian",-98.5],PARAMETER["Standard\_Parallel\_1",26.16666666666667],PARAMETER["Standard\_Parallel\_2",27.83333333333333],PARAMETER["Latitude\_Of\_Origin",25.66666666666667],UNIT["Meter",1]]

**NAD 1983 StatePlane Utah Central FIPS 4302,32143**

PROJCS["NAD\_1983\_StatePlane\_Utah\_Central\_FIPS\_4302",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",2000000],PARAMETER["Central\_Meridian",-111.5],PARAMETER["Standard\_Parallel\_1",39.01666666666667],PARAMETER["Standard\_Parallel\_2",40.65],PARAMETER["Latitude\_Of\_Origin",38.33333333333334],UNIT["Meter",1]]

**NAD 1983 StatePlane Utah North FIPS 4301,32142**

PROJCS["NAD\_1983\_StatePlane\_Utah\_North\_FIPS\_4301",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",-111.5],PARAMETER["Standard\_Parallel\_1",40.71666666666667],PARAMETER["Standard\_Parallel\_2",41.78333333333333],PARAMETER["Latitude\_Of\_Origin",40.33333333333334],UNIT["Meter",1]]

**NAD 1983 StatePlane Utah South FIPS 4303,32144**

PROJCS["NAD\_1983\_StatePlane\_Utah\_South\_FIPS\_4303",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",3000000],PARAMETER["Central\_Meridian",-111.5],PARAMETER["Standard\_Parallel\_1",37.21666666666667],PARAMETER["Standard\_Parallel\_2",38.35],PARAMETER["Latitude\_Of\_Origin",36.66666666666666],UNIT["Meter",1]]

**NAD 1983 StatePlane Vermont FIPS 4400,32145**

PROJCS["NAD\_1983\_StatePlane\_Vermont\_FIPS\_4400",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-72.5],PARAMETER["Scale\_Factor",0.9999642857142858],PARAMETER["Latitude\_Of\_Origin",42.5],UNIT["Meter",1]]

**NAD 1983 StatePlane Virginia North FIPS 4501,32146**

PROJCS["NAD\_1983\_StatePlane\_Virginia\_North\_FIPS\_4501",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",3500000],PARAMETER["False\_Northing",2000000],PARAMETER["Central\_Meridian",-78.5],PARAMETER["Standard\_Parallel\_1",38.03333333333333],PARAMETER["Standard\_Parallel\_2",39.2],PARAMETER["Latitude\_Of\_Origin",37.66666666666666],UNIT["Meter",1]]

**NAD 1983 StatePlane Virginia South FIPS 4502,32147**

PROJCS["NAD\_1983\_StatePlane\_Virginia\_South\_FIPS\_4502",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",3500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",-78.5],PARAMETER["Standard\_Parallel\_1",36.76666666666667],PARAMETER["Standard\_Parallel\_2",37.96666666666667],PARAMETER["Latitude\_Of\_Origin",36.33333333333334],UNIT["Meter",1]]

**NAD 1983 StatePlane Washington North FIPS 4601,32148**

PROJCS["NAD\_1983\_StatePlane\_Washington\_North\_FIPS\_4601",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-120.8333333333333],PARAMETER["Standard\_Parallel\_1",47.5],PARAMETER["Standard\_Parallel\_2",48.73333333333333],PARAMETER["Latitude\_Of\_Origin",47],UNIT["Meter",1]]

**NAD 1983 StatePlane Washington South FIPS 4602,32149**

PROJCS["NAD\_1983\_StatePlane\_Washington\_South\_FIPS\_4602",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-120.5],PARAMETER["Standard\_Parallel\_1",45.83333333333334],PARAMETER["Standard\_Parallel\_2",47.33333333333334],PARAMETER["Latitude\_Of\_Origin",45.33333333333334],UNIT["Meter",1]]

**NAD 1983 StatePlane West Virginia North FIPS 4701,32150**

PROJCS["NAD\_1983\_StatePlane\_West\_Virginia\_North\_FIPS\_4701",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",600000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-79.5],PARAMETER["Standard\_Parallel\_1",39],PARAMETER["Standard\_Parallel\_2",40.25],PARAMETER["Latitude\_Of\_Origin",38.5],UNIT["Meter",1]]

**NAD 1983 StatePlane West Virginia South FIPS 4702,32151**

PROJCS["NAD\_1983\_StatePlane\_West\_Virginia\_South\_FIPS\_4702",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",600000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-81],PARAMETER["Standard\_Parallel\_1",37.48333333333333],PARAMETER["Standard\_Parallel\_2",38.88333333333333],PARAMETER["Latitude\_Of\_Origin",37],UNIT["Meter",1]]

**NAD 1983 StatePlane Wisconsin Central FIPS 4802,32153**

PROJCS["NAD\_1983\_StatePlane\_Wisconsin\_Central\_FIPS\_4802",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",600000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-90],PARAMETER["Standard\_Parallel\_1",44.25],PARAMETER["Standard\_Parallel\_2",45.5],PARAMETER["Latitude\_Of\_Origin",43.83333333333334],UNIT["Meter",1]]

**NAD 1983 StatePlane Wisconsin North FIPS 4801,32152**

PROJCS["NAD\_1983\_StatePlane\_Wisconsin\_North\_FIPS\_4801",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",600000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-90],PARAMETER["Standard\_Parallel\_1",45.56666666666667],PARAMETER["Standard\_Parallel\_2",46.76666666666667],PARAMETER["Latitude\_Of\_Origin",45.16666666666667],UNIT["Meter",1]]

**NAD 1983 StatePlane Wisconsin South FIPS 4803,32154**

PROJCS["NAD\_1983\_StatePlane\_Wisconsin\_South\_FIPS\_4803",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",600000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-90],PARAMETER["Standard\_Parallel\_1",42.73333333333333],PARAMETER["Standard\_Parallel\_2",44.06666666666667],PARAMETER["Latitude\_Of\_Origin",42],UNIT["Meter",1]]

**NAD 1983 StatePlane Wyoming East Central FIPS 4902,32156**

PROJCS["NAD\_1983\_StatePlane\_Wyoming\_East\_Central\_FIPS\_4902",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",400000],PARAMETER["False\_Northing",100000],PARAMETER["Central\_Meridian",-107.3333333333333],PARAMETER["Scale\_Factor",0.9999375],PARAMETER["Latitude\_Of\_Origin",40.5],UNIT["Meter",1]]

**NAD 1983 StatePlane Wyoming East FIPS 4901,32155**

PROJCS["NAD\_1983\_StatePlane\_Wyoming\_East\_FIPS\_4901",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",200000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-105.16666666666667],PARAMETER["Scale\_Factor",0.9999375],PARAMETER["Latitude\_Of\_Origin",40.5],UNIT["Meter",1]]

**NAD 1983 StatePlane Wyoming West Central FIPS 4903,32157**

PROJCS["NAD\_1983\_StatePlane\_Wyoming\_West\_Central\_FIPS\_4903",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",400000],PARAMETER["False\_Northing",100000],PARAMETER["Central\_Meridian",-107.3333333333333],PARAMETER["Scale\_Factor",0.9999375],PARAMETER["Latitude\_Of\_Origin",40.5],UNIT["Meter",1]]

ON["Transverse\_Mercator"],PARAMETER["False\_Easting",600000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-108.75],PARAMETER["Scale\_Factor",0.9999375],PARAMETER["Latitude\_Of\_Origin",40.5],UNIT["Meter",1]]

**NAD 1983 StatePlane Wyoming West FIPS 4904,32158**

PROJCS["NAD\_1983\_StatePlane\_Wyoming\_West\_FIPS\_4904",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",800000],PARAMETER["False\_Northing",100000],PARAMETER["Central\_Meridian",-110.08333333333333],PARAMETER["Scale\_Factor",0.9999375],PARAMETER["Latitude\_Of\_Origin",40.5],UNIT["Meter",1]]

**NAD 1983 UTM Zone 10N,26910**

PROJCS["NAD\_1983\_UTM\_Zone\_10N",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-123],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1983 UTM Zone 11N,26911**

PROJCS["NAD\_1983\_UTM\_Zone\_11N",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-117],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1983 UTM Zone 12N,26912**

PROJCS["NAD\_1983\_UTM\_Zone\_12N",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-111],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1983 UTM Zone 13N,26913**

PROJCS["NAD\_1983\_UTM\_Zone\_13N",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-105],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1983 UTM Zone 14N,26914**

PROJCS["NAD\_1983\_UTM\_Zone\_14N",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-99],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1983 UTM Zone 15N,26915**

PROJCS["NAD\_1983\_UTM\_Zone\_15N",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-93],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1983 UTM Zone 16N,26916**

PROJCS["NAD\_1983\_UTM\_Zone\_16N",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-87],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1983 UTM Zone 17N,26917**

PROJCS["NAD\_1983\_UTM\_Zone\_17N",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-81],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1983 UTM Zone 18N,26918**

PROJCS["NAD\_1983\_UTM\_Zone\_18N",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-75],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1983 UTM Zone 19N,26919**

```
PROJCS["NAD_1983_UTM_Zone_19N",GEOGCS["GCS_North_American_1983",DATUM["D_North_American_1983",SPHEROID["GRS_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-69],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**NAD 1983 UTM Zone 20N,26920**

```
PROJCS["NAD_1983_UTM_Zone_20N",GEOGCS["GCS_North_American_1983",DATUM["D_North_American_1983",SPHEROID["GRS_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-63],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**NAD 1983 UTM Zone 21N,26921**

```
PROJCS["NAD_1983_UTM_Zone_21N",GEOGCS["GCS_North_American_1983",DATUM["D_North_American_1983",SPHEROID["GRS_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-57],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**NAD 1983 UTM Zone 22N,26922**

```
PROJCS["NAD_1983_UTM_Zone_22N",GEOGCS["GCS_North_American_1983",DATUM["D_North_American_1983",SPHEROID["GRS_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-51],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**NAD 1983 UTM Zone 23N,26923**

```
PROJCS["NAD_1983_UTM_Zone_23N",GEOGCS["GCS_North_American_1983",DATUM["D_North_American_1983",SPHEROID["GRS_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-45],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**NAD 1983 UTM Zone 3N,26903**

```
PROJCS["NAD_1983_UTM_Zone_3N",GEOGCS["GCS_North_American_1983",DATUM["D_North_American_1983",SPHEROID["GRS_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-165],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**NAD 1983 UTM Zone 4N,26904**

```
PROJCS["NAD_1983_UTM_Zone_4N",GEOGCS["GCS_North_American_1983",DATUM["D_North_American_1983",SPHEROID["GRS_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-159],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**NAD 1983 UTM Zone 5N,26905**

```
PROJCS["NAD_1983_UTM_Zone_5N",GEOGCS["GCS_North_American_1983",DATUM["D_North_American_1983",SPHEROID["GRS_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-153],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**NAD 1983 UTM Zone 6N,26906**

```
PROJCS["NAD_1983_UTM_Zone_6N",GEOGCS["GCS_North_American_1983",DATUM["D_North_American_1983",SPHEROID["GRS_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-147],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**NAD 1983 UTM Zone 7N,26907**

```
PROJCS["NAD_1983_UTM_Zone_7N",GEOGCS["GCS_North_American_1983",DATUM["D_North_American_1983",SPHEROID["GRS_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-141],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**NAD 1983 UTM Zone 8N,26908**

```
PROJCS["NAD_1983_UTM_Zone_8N",GEOGCS["GCS_North_American_1983",DATUM["D_North_American_1983",SPHEROID["GRS_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-135],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

METER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-135],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD 1983 UTM Zone 9N,26909**

PROJCS["NAD\_1983\_UTM\_Zone\_9N",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137,298.257222101]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-129],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NAD Michigan StatePlane Michigan Central FIPS 2112,26812**

PROJCS["NAD\_Michigan\_StatePlane\_Michigan\_Central\_FIPS\_2112",GEOGCS["GCS\_North\_American\_Michigan",DATUM["D\_North\_American\_Michigan",SPHEROID["Clarke\_1866\_Michigan",6378450.047,294.978684677]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-84.33333333333333],PARAMETER["Standard\_Parallel\_1",44.18333333333333],PARAMETER["Standard\_Parallel\_2",45.7],PARAMETER["Latitude\_Of\_Origin",43.31666666666667],UNIT["Foot\_US",0.30480060960121924]]

**NAD Michigan StatePlane Michigan Central Old FIPS 2102,26802**

PROJCS["NAD\_Michigan\_StatePlane\_Michigan\_Central\_Old\_FIPS\_2102",GEOGCS["GCS\_North\_American\_Michigan",DATUM["D\_North\_American\_Michigan",SPHEROID["Clarke\_1866\_Michigan",6378450.047,294.978684677]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-85.75],PARAMETER["Scale\_Factor",0.9999090909],PARAMETER["Latitude\_Of\_Origin",41.5],UNIT["Foot\_US",0.30480060960121924]]

**NAD Michigan StatePlane Michigan East Old FIPS 2101,26801**

PROJCS["NAD\_Michigan\_StatePlane\_Michigan\_East\_Old\_FIPS\_2101",GEOGCS["GCS\_North\_American\_Michigan",DATUM["D\_North\_American\_Michigan",SPHEROID["Clarke\_1866\_Michigan",6378450.047,294.978684677]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-83.66666666666667],PARAMETER["Scale\_Factor",0.9999428571],PARAMETER["Latitude\_Of\_Origin",41.5],UNIT["Foot\_US",0.30480060960121924]]

**NAD Michigan StatePlane Michigan North FIPS 2111,26811**

PROJCS["NAD\_Michigan\_StatePlane\_Michigan\_North\_FIPS\_2111",GEOGCS["GCS\_North\_American\_Michigan",DATUM["D\_North\_American\_Michigan",SPHEROID["Clarke\_1866\_Michigan",6378450.047,294.978684677]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-87],PARAMETER["Standard\_Parallel\_1",45.48333333333333],PARAMETER["Standard\_Parallel\_2",47.08333333333334],PARAMETER["Latitude\_Of\_Origin",44.78333333333333],UNIT["Foot\_US",0.30480060960121924]]

**NAD Michigan StatePlane Michigan South FIPS 2113,26813**

PROJCS["NAD\_Michigan\_StatePlane\_Michigan\_South\_FIPS\_2113",GEOGCS["GCS\_North\_American\_Michigan",DATUM["D\_North\_American\_Michigan",SPHEROID["Clarke\_1866\_Michigan",6378450.047,294.978684677]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-84.33333333333333],PARAMETER["Standard\_Parallel\_1",42.1],PARAMETER["Standard\_Parallel\_2",43.66666666666666],PARAMETER["Latitude\_Of\_Origin",41.5],UNIT["Foot\_US",0.30480060960121924]]

**NAD Michigan StatePlane Michigan West Old FIPS 2103,26803**

PROJCS["NAD\_Michigan\_StatePlane\_Michigan\_West\_Old\_FIPS\_2103",GEOGCS["GCS\_North\_American\_Michigan",DATUM["D\_North\_American\_Michigan",SPHEROID["Clarke\_1866\_Michigan",6378450.047,294.978684677]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-88.75],PARAMETER["Scale\_Factor",0.9999090909],PARAMETER["Latitude\_Of\_Origin",41.5],UNIT["Foot\_US",0.30480060960121924]]

**NGN UTM Zone 38N,31838**

PROJCS["NGN\_UTM\_Zone\_38N",GEOGCS["GCS\_NGN",DATUM["D\_NGN",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",45],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**NGN UTM Zone 39N,31839**

PROJCS["NGN\_UTM\_Zone\_39N",GEOGCS["GCS\_NGN",DATUM["D\_NGN",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",51],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Nahrwan 1967 UTM Zone 38N,27038**

PROJCS["Nahrwan\_1967\_UTM\_Zone\_38N",GEOGCS["GCS\_Nahrwan\_1967",DATUM["D\_Nahrwan\_1967",SPHEROID["Clarke\_1880\_RGS",6378249.145,293.465]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",45],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Nahrwan 1967 UTM Zone 39N,27039**

PROJCS["Nahrwan\_1967\_UTM\_Zone\_39N",GEOGCS["GCS\_Nahrwan\_1967",DATUM["D\_Nahrwan\_1967",SPHEROID["Clarke\_1880\_RGS",6378249.145,293.465]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",51],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Nahrwan 1967 UTM Zone 40N,27040**

PROJCS["Nahrwan\_1967\_UTM\_Zone\_40N",GEOGCS["GCS\_Nahrwan\_1967",DATUM["D\_Nahrwan\_1967",SPHEROID["Clarke\_1880\_RGS",6378249.145,293.465]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",57],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Naparima 1972 UTM Zone 20N,27120**

PROJCS["Naparima\_1972\_UTM\_Zone\_20N",GEOGCS["GCS\_Naparima\_1972",DATUM["D\_Naparima\_1972",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-63],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**New Brunswick Stereographic,2200**

PROJCS["New\_Brunswick\_Stereographic",GEOGCS["GCS\_ATS\_1977",DATUM["D\_ATS\_1977",SPHEROID["ATS\_1977",6378135,298.257]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Double\_Stereographic"],PARAMETER["False\_Easting",300000],PARAMETER["False\_Northing",800000],PARAMETER["Central\_Meridian",-66.5],PARAMETER["Scale\_Factor",0.999912],PARAMETER["Latitude\_Of\_Origin",46.5],UNIT["Meter",1]]

**New Zealand North Island,27291**

PROJCS["New\_Zealand\_North\_Island",GEOGCS["GCS\_New\_Zealand\_1949",DATUM["D\_New\_Zealand\_1949",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",300000],PARAMETER["False\_Northing",400000],PARAMETER["Central\_Meridian",175.5],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",-39],UNIT["Yard\_Sears",0.91439841461602867]]

**New Zealand South Island,27292**

PROJCS["New\_Zealand\_South\_Island",GEOGCS["GCS\_New\_Zealand\_1949",DATUM["D\_New\_Zealand\_1949",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",500000],PARAMETER["Central\_Meridian",171.5],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",-44],UNIT["Yard\_Sears",0.91439841461602867]]

**Nigeria East Belt,26393**

PROJCS["Nigeria\_East\_Belt",GEOGCS["GCS\_Minna",DATUM["D\_Minna",SPHEROID["Clarke\_1880\_RGS",6378249.145,293.465]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",1110369.7],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",12.5],PARAMETER["Scale\_Factor",0.99975],PARAMETER["Latitude\_Of\_Origin",4],UNIT["Meter",1]]

**Nigeria Mid Belt,26392**

PROJCS["Nigeria\_Mid\_Belt",GEOGCS["GCS\_Minna",DATUM["D\_Minna",SPHEROID["Clarke\_1880\_RGS",6378249.145,293.465]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",670553.98],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",8.5],PARAMETER["Scale\_Factor",0.99975],PARAMETER["Latitude\_Of\_Origin",4],UNIT["Meter",1]]

**Nigeria West Belt,26391**

PROJCS["Nigeria\_West\_Belt",GEOGCS["GCS\_Minna",DATUM["D\_Minna",SPHEROID["Clarke\_1880\_RGS",6378249.145,293.465]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",230738.26],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",4.5],PARAMETER["Scale\_Factor",0.99975],PARAMETER["Latitude\_Of\_Origin",4],UNIT["Meter",1]]

**Nord Algerie,30591**

PROJCS["Nord\_Algerie",GEOGCS["GCS\_Voirol\_Unifie\_1960",DATUM["D\_Voirol\_Unifie\_1960",SPHEROID["Clarke\_1880\_IGN",6378249.2,93.46602]],PRIMEM["Greenwich",0],UNIT["Grad",0.015707963267948967]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False

\_Easting",500135],PARAMETER["False\_Northing",300090],PARAMETER["Central\_Meridian",3],PARAMETER["Standard\_Parallel\_1",40],PARAMETER["Scale\_Factor",0.999625544],PARAMETER["Latitude\_Of\_Origin",40],UNIT["Meter",1]]

#### **Nord Algerie Ancienne,30491**

PROJCS["Nord\_Algerie\_Ancienne",GEOGCS["GCS\_Voirol\_1875",DATUM["D\_Voirol\_1875",SPHEROID["Clarke\_1880\_IGN",6378249.2,293.46602]],PRIMEM["Greenwich",0],UNIT["Grad",0.015707963267948967]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",300000],PARAMETER["Central\_Meridian",3],PARAMETER["Standard\_Parallel\_1",40],PARAMETER["Scale\_Factor",0.999625544],PARAMETER["Latitude\_Of\_Origin",40],UNIT["Meter",1]]

#### **Nord France,27591**

PROJCS["Nord\_France",GEOGCS["GCS\_NTF\_Paris",DATUM["D\_NTF",SPHEROID["Clarke\_1880\_IGN",6378249.2,293.46602]],PRIMEM["Paris",2.337229166666667],UNIT["Grad",0.015707963267948967]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",600000],PARAMETER["False\_Northing",200000],PARAMETER["Central\_Meridian",0],PARAMETER["Standard\_Parallel\_1",55],PARAMETER["Scale\_Factor",0.999877341],PARAMETER["Latitude\_Of\_Origin",55],UNIT["Meter",1]]

#### **Nord Maroc,26191**

PROJCS["Nord\_Maroc",GEOGCS["GCS\_Merchich",DATUM["D\_Merchich",SPHEROID["Clarke\_1880\_IGN",6378249.2,293.46602]],PRIMEM["Greenwich",0],UNIT["Grad",0.015707963267948967]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",300000],PARAMETER["Central\_Meridian",-6],PARAMETER["Standard\_Parallel\_1",37],PARAMETER["Scale\_Factor",0.999625769],PARAMETER["Latitude\_Of\_Origin",37],UNIT["Meter",1]]

#### **Nord Sahara 1959 UTM Zone 29N,30729**

PROJCS["Nord\_Sahara\_1959\_UTM\_Zone\_29N",GEOGCS["GCS\_Nord\_Sahara\_1959",DATUM["D\_Nord\_Sahara\_1959",SPHEROID["Clarke\_1880\_IGN",6378249.2,293.46602]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-9],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

#### **Nord Sahara 1959 UTM Zone 30N,30730**

PROJCS["Nord\_Sahara\_1959\_UTM\_Zone\_30N",GEOGCS["GCS\_Nord\_Sahara\_1959",DATUM["D\_Nord\_Sahara\_1959",SPHEROID["Clarke\_1880\_IGN",6378249.2,293.46602]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-3],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

#### **Nord Sahara 1959 UTM Zone 31N,30731**

PROJCS["Nord\_Sahara\_1959\_UTM\_Zone\_31N",GEOGCS["GCS\_Nord\_Sahara\_1959",DATUM["D\_Nord\_Sahara\_1959",SPHEROID["Clarke\_1880\_IGN",6378249.2,293.46602]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",3],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

#### **Nord Sahara 1959 UTM Zone 32N,30732**

PROJCS["Nord\_Sahara\_1959\_UTM\_Zone\_32N",GEOGCS["GCS\_Nord\_Sahara\_1959",DATUM["D\_Nord\_Sahara\_1959",SPHEROID["Clarke\_1880\_IGN",6378249.2,293.46602]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",9],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

#### **Nord Tunisie,22391**

PROJCS["Nord\_Tunisie",GEOGCS["GCS\_Carthage",DATUM["D\_Carthage",SPHEROID["Clarke\_1880\_IGN",6378249.2,293.46602]],PRIMEM["Greenwich",0],UNIT["Grad",0.015707963267948967]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",300000],PARAMETER["Central\_Meridian",11],PARAMETER["Standard\_Parallel\_1",40],PARAMETER["Scale\_Factor",0.999625544],PARAMETER["Latitude\_Of\_Origin",40],UNIT["Meter",1]]

#### **Nord de Guerre,27500**

PROJCS["Nord\_de\_Guerre",GEOGCS["GCS\_ATF\_Paris",DATUM["D\_ATF",SPHEROID["Plessis\_1817",6376523,308.64]],PRIMEM["Paris",2.337229166666667],UNIT["Grad",0.015707963267948967]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",300000],PARAMETER["Central\_Meridian",6],PARAMETER["Standard\_Parallel\_1",55],PARAMETER["Scale\_Factor",0.9995090800000001],PARAMETER["Latitude\_Of\_Origin",55],UNIT["Meter",1]]

#### **Old Hawaiian StatePlane Hawaii 1 FIPS 5101,3561**

PROJCS["Old\_Hawaiian\_StatePlane\_Hawaii\_1\_FIPS\_5101",GEOGCS["GCS\_Old\_Hawaiian",DATUM["D\_Old\_Hawaiian",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-155.5],PARAMETER["Scale\_Factor",0.9999666666666667],PARAMETER["Latitude\_Of\_Origin",18.83333333333333],UNIT["Foot\_US",0.30480060960121924]]

**Old Hawaiian StatePlane Hawaii 2 FIPS 5102,3562**

```
PROJCS["Old_Hawaiian_StatePlane_Hawaii_2_FIPS_5102",GEOGCS["GCS_Old_Hawaiian",DATUM["D_Old_Hawaiian",SPHEROID["Clarke_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-156.6666666666667],PARAMETER["Scale_Factor",0.9999666666666667],PARAMETER["Latitude_Of_Origin",20.33333333333333],UNIT["Foot_US",0.30480060960121924]]
```

**Old Hawaiian StatePlane Hawaii 3 FIPS 5103,3563**

```
PROJCS["Old_Hawaiian_StatePlane_Hawaii_3_FIPS_5103",GEOGCS["GCS_Old_Hawaiian",DATUM["D_Old_Hawaiian",SPHEROID["Clarke_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-158],PARAMETER["Scale_Factor",0.9999900000000001],PARAMETER["Latitude_Of_Origin",21.16666666666667],UNIT["Foot_US",0.30480060960121924]]
```

**Old Hawaiian StatePlane Hawaii 4 FIPS 5104,3564**

```
PROJCS["Old_Hawaiian_StatePlane_Hawaii_4_FIPS_5104",GEOGCS["GCS_Old_Hawaiian",DATUM["D_Old_Hawaiian",SPHEROID["Clarke_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-159.5],PARAMETER["Scale_Factor",0.9999900000000001],PARAMETER["Latitude_Of_Origin",21.83333333333333],UNIT["Foot_US",0.30480060960121924]]
```

**Old Hawaiian StatePlane Hawaii 5 FIPS 5105,3565**

```
PROJCS["Old_Hawaiian_StatePlane_Hawaii_5_FIPS_5105",GEOGCS["GCS_Old_Hawaiian",DATUM["D_Old_Hawaiian",SPHEROID["Clarke_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-160.1666666666667],PARAMETER["Scale_Factor",1],PARAMETER["Latitude_Of_Origin",21.66666666666667],UNIT["Foot_US",0.30480060960121924]]
```

**PDO 1993 UTM Zone 39N,3439**

```
PROJCS["PDO_1993_UTM_Zone_39N",GEOGCS["GCS_PDO_1993",DATUM["D_PDO_1993",SPHEROID["Clarke_1880_RGS",6378249.145,293.465]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",51],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**PDO 1993 UTM Zone 40N,3440**

```
PROJCS["PDO_1993_UTM_Zone_40N",GEOGCS["GCS_PDO_1993",DATUM["D_PDO_1993",SPHEROID["Clarke_1880_RGS",6378249.145,293.465]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",57],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**PSAD 1956 UTM Zone 17S,24877**

```
PROJCS["PSAD_1956_UTM_Zone_17S",GEOGCS["GCS_Provisional_S_American_1956",DATUM["D_Provisional_S_American_1956",SPHEROID["International_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",1000000],PARAMETER["Central_Meridian",-81],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**PSAD 1956 UTM Zone 18N,24818**

```
PROJCS["PSAD_1956_UTM_Zone_18N",GEOGCS["GCS_Provisional_S_American_1956",DATUM["D_Provisional_S_American_1956",SPHEROID["International_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-75],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**PSAD 1956 UTM Zone 18S,24878**

```
PROJCS["PSAD_1956_UTM_Zone_18S",GEOGCS["GCS_Provisional_S_American_1956",DATUM["D_Provisional_S_American_1956",SPHEROID["International_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",1000000],PARAMETER["Central_Meridian",-75],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**PSAD 1956 UTM Zone 19N,24819**

```
PROJCS["PSAD_1956_UTM_Zone_19N",GEOGCS["GCS_Provisional_S_American_1956",DATUM["D_Provisional_S_American_1956",SPHEROID["International_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-69],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**PSAD 1956 UTM Zone 19S,24879**

```
PROJCS["PSAD_1956_UTM_Zone_19S",GEOGCS["GCS_Provisional_S_American_1956",DATUM["D_Provisional_S_American_1956",SPHEROID["International_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-69],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

ercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",10000000],PARAMETER["Central\_Meridian",-69],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**PSAD 1956 UTM Zone 20N,24820**

PROJCS["PSAD\_1956\_UTM\_Zone\_20N",GEOGCS["GCS\_Provisional\_S\_American\_1956",DATUM["D\_Provisional\_S\_American\_1956",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-63],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**PSAD 1956 UTM Zone 20S,24880**

PROJCS["PSAD\_1956\_UTM\_Zone\_20S",GEOGCS["GCS\_Provisional\_S\_American\_1956",DATUM["D\_Provisional\_S\_American\_1956",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",10000000],PARAMETER["Central\_Meridian",-63],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**PSAD 1956 UTM Zone 21N,24821**

PROJCS["PSAD\_1956\_UTM\_Zone\_21N",GEOGCS["GCS\_Provisional\_S\_American\_1956",DATUM["D\_Provisional\_S\_American\_1956",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-57],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**PSAD 1956 UTM Zone 21S,24881**

PROJCS["PSAD\_1956\_UTM\_Zone\_21S",GEOGCS["GCS\_Provisional\_S\_American\_1956",DATUM["D\_Provisional\_S\_American\_1956",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",10000000],PARAMETER["Central\_Meridian",-57],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**PSAD 1956 UTM Zone 22S,24882**

PROJCS["PSAD\_1956\_UTM\_Zone\_22S",GEOGCS["GCS\_Provisional\_S\_American\_1956",DATUM["D\_Provisional\_S\_American\_1956",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",10000000],PARAMETER["Central\_Meridian",-51],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Palestine 1923 Palestine Belt,28192**

PROJCS["Palestine\_1923\_Palestine\_Belt",GEOGCS["GCS\_Palestine\_1923",DATUM["D\_Palestine\_1923",SPHEROID["Clarke\_1880\_Benoit",6378300.79,293.466234571]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",170251.555],PARAMETER["False\_Northing",1126867.909],PARAMETER["Central\_Meridian",35.21208055555556],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",31.73409694444445],UNIT["Meter",1]]

**Palestine 1923 Palestine Grid,28191**

PROJCS["Palestine\_1923\_Palestine\_Grid",GEOGCS["GCS\_Palestine\_1923",DATUM["D\_Palestine\_1923",SPHEROID["Clarke\_1880\_Benoit",6378300.79,293.466234571]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Cassini"],PARAMETER["False\_Easting",170251.555],PARAMETER["False\_Northing",126867.909],PARAMETER["Central\_Meridian",35.21208055555556],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",31.73409694444445],UNIT["Meter",1]]

**Peru Central Zone,24892**

PROJCS["Peru\_Central\_Zone",GEOGCS["GCS\_Provisional\_S\_American\_1956",DATUM["D\_Provisional\_S\_American\_1956",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",720000],PARAMETER["False\_Northing",1039979.159],PARAMETER["Central\_Meridian",-76],PARAMETER["Scale\_Factor",0.99932994],PARAMETER["Latitude\_Of\_Origin",-9.5],UNIT["Meter",1]]

**Peru East Zone,24893**

PROJCS["Peru\_East\_Zone",GEOGCS["GCS\_Provisional\_S\_American\_1956",DATUM["D\_Provisional\_S\_American\_1956",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",1324000],PARAMETER["False\_Northing",1040084.558],PARAMETER["Central\_Meridian",-70.5],PARAMETER["Scale\_Factor",0.99952992],PARAMETER["Latitude\_Of\_Origin",-9.5],UNIT["Meter",1]]

**Peru West Zone,24891**

PROJCS["Peru\_West\_Zone",GEOGCS["GCS\_Provisional\_S\_American\_1956",DATUM["D\_Provisional\_S\_American\_1956",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",222000],PARAMETER["False\_Northing",1426834.743],PARAMETER["Central\_Meridian",-80.5],PARAMETER["Scale\_Factor",0.99983008],PARAMETER["Latitude\_Of\_Origin",-6],UNIT["Meter",1]]

**Philippines Zone I,25391**

PROJCS["Philippines\_Zone\_I",GEOGCS["GCS\_Luzon\_1911",DATUM["D\_Luzon\_1911",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",50000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",117],PARAMETER["Scale\_Factor",0.99995],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Philippines Zone II,25392**

PROJCS["Philippines\_Zone\_II",GEOGCS["GCS\_Luzon\_1911",DATUM["D\_Luzon\_1911",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",50000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",119],PARAMETER["Scale\_Factor",0.99995],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Philippines Zone III,25393**

PROJCS["Philippines\_Zone\_III",GEOGCS["GCS\_Luzon\_1911",DATUM["D\_Luzon\_1911",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",50000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",121],PARAMETER["Scale\_Factor",0.99995],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Philippines Zone IV,25394**

PROJCS["Philippines\_Zone\_IV",GEOGCS["GCS\_Luzon\_1911",DATUM["D\_Luzon\_1911",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",50000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",123],PARAMETER["Scale\_Factor",0.99995],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Philippines Zone V,25395**

PROJCS["Philippines\_Zone\_V",GEOGCS["GCS\_Luzon\_1911",DATUM["D\_Luzon\_1911",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",50000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",125],PARAMETER["Scale\_Factor",0.99995],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pointe Noire UTM Zone 32S,28232**

PROJCS["Pointe\_Noire\_UTM\_Zone\_32S",GEOGCS["GCS\_Pointe\_Noire",DATUM["D\_Pointe\_Noire",SPHEROID["Clarke\_1880\_IGN",6378249.2,293.46602]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",9],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Portuguese National Grid,20790**

PROJCS["Portuguese\_National\_Grid",GEOGCS["GCS\_Lisbon\_Lisbon",DATUM["D\_Lisbon",SPHEROID["International\_1924",6378388,297]],PRIMEM["Lisbon",-9.131906111111112],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",200000],PARAMETER["False\_Northing",300000],PARAMETER["Central\_Meridian",1],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",39.66666666666666],UNIT["Meter",1]]

**Prince Edward Island Stereographic,2290**

PROJCS["Prince\_Edward\_Island\_Stereographic",GEOGCS["GCS\_ATS\_1977",DATUM["D\_ATS\_1977",SPHEROID["ATS\_1977",6378135,298.257]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Double\_Stereographic"],PARAMETER["False\_Easting",700000],PARAMETER["False\_Northing",400000],PARAMETER["Central\_Meridian",-63],PARAMETER["Scale\_Factor",0.999912],PARAMETER["Latitude\_Of\_Origin",47.25],UNIT["Meter",1]]

**Puerto Rico StatePlane Puerto Rico FIPS 5201,3991**

PROJCS["Puerto\_Rico\_StatePlane\_Puerto\_Rico\_FIPS\_5201",GEOGCS["GCS\_Puerto\_Rico",DATUM["D\_Puerto\_Rico",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-66.43333333333334],PARAMETER["Standard\_Parallel\_1",18.03333333333334],PARAMETER["Standard\_Parallel\_2",18.43333333333333],PARAMETER["Latitude\_Of\_Origin",17.83333333333333],UNIT["Foot\_US",0.30480060960121924]]

**Puerto Rico StatePlane Virgin Islands St Croix FIPS 5202,3992**

PROJCS["Puerto\_Rico\_StatePlane\_Virgin\_Islands\_St\_Croix\_FIPS\_5202",GEOGCS["GCS\_Puerto\_Rico",DATUM["D\_Puerto\_Rico",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",100000],PARAMETER["Central\_Meridian",-66.43333333333334],PARAMETER["Standard\_Parallel\_1",18.03333333333334],PARAMETER["Standard\_Parallel\_2",18.43333333333333],PARAMETER["Latitude\_Of\_Origin",17.83333333333333],UNIT["Foot\_US",0.30480060960121924]]

**Puerto Rico UTM Zone 20N,3920**

PROJCS["Puerto\_Rico\_UTM\_Zone\_20N",GEOGCS["GCS\_Puerto\_Rico",DATUM["D\_Puerto\_Rico",SPHEROID["Clarke\_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-63],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1942 GK Zone 10,28410**

PROJCS["Pulkovo\_1942\_GK\_Zone\_10",GEOGCS["GCS\_Pulkovo\_1942",DATUM["D\_Pulkovo\_1942",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",10500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",57],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1942 GK Zone 10N,28470**

PROJCS["Pulkovo\_1942\_GK\_Zone\_10N",GEOGCS["GCS\_Pulkovo\_1942",DATUM["D\_Pulkovo\_1942",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",57],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1942 GK Zone 11,28411**

PROJCS["Pulkovo\_1942\_GK\_Zone\_11",GEOGCS["GCS\_Pulkovo\_1942",DATUM["D\_Pulkovo\_1942",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",11500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",63],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1942 GK Zone 11N,28471**

PROJCS["Pulkovo\_1942\_GK\_Zone\_11N",GEOGCS["GCS\_Pulkovo\_1942",DATUM["D\_Pulkovo\_1942",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",63],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1942 GK Zone 12,28412**

PROJCS["Pulkovo\_1942\_GK\_Zone\_12",GEOGCS["GCS\_Pulkovo\_1942",DATUM["D\_Pulkovo\_1942",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",12500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",69],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1942 GK Zone 12N,28472**

PROJCS["Pulkovo\_1942\_GK\_Zone\_12N",GEOGCS["GCS\_Pulkovo\_1942",DATUM["D\_Pulkovo\_1942",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",69],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1942 GK Zone 13,28413**

PROJCS["Pulkovo\_1942\_GK\_Zone\_13",GEOGCS["GCS\_Pulkovo\_1942",DATUM["D\_Pulkovo\_1942",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",13500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",75],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1942 GK Zone 13N,28473**

PROJCS["Pulkovo\_1942\_GK\_Zone\_13N",GEOGCS["GCS\_Pulkovo\_1942",DATUM["D\_Pulkovo\_1942",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",75],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1942 GK Zone 14,28414**

PROJCS["Pulkovo\_1942\_GK\_Zone\_14",GEOGCS["GCS\_Pulkovo\_1942",DATUM["D\_Pulkovo\_1942",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",14500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",81],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1942 GK Zone 14N,28474**

PROJCS["Pulkovo\_1942\_GK\_Zone\_14N",GEOGCS["GCS\_Pulkovo\_1942",DATUM["D\_Pulkovo\_1942",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",

500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",81],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1942 GK Zone 15,28415**

PROJCS["Pulkovo\_1942\_GK\_Zone\_15",GEOGCS["GCS\_Pulkovo\_1942",DATUM["D\_Pulkovo\_1942",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",15500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",87],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1942 GK Zone 15N,28475**

PROJCS["Pulkovo\_1942\_GK\_Zone\_15N",GEOGCS["GCS\_Pulkovo\_1942",DATUM["D\_Pulkovo\_1942",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",87],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1942 GK Zone 16,28416**

PROJCS["Pulkovo\_1942\_GK\_Zone\_16",GEOGCS["GCS\_Pulkovo\_1942",DATUM["D\_Pulkovo\_1942",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",16500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",93],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1942 GK Zone 16N,28476**

PROJCS["Pulkovo\_1942\_GK\_Zone\_16N",GEOGCS["GCS\_Pulkovo\_1942",DATUM["D\_Pulkovo\_1942",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",93],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1942 GK Zone 17,28417**

PROJCS["Pulkovo\_1942\_GK\_Zone\_17",GEOGCS["GCS\_Pulkovo\_1942",DATUM["D\_Pulkovo\_1942",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",17500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",99],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1942 GK Zone 17N,28477**

PROJCS["Pulkovo\_1942\_GK\_Zone\_17N",GEOGCS["GCS\_Pulkovo\_1942",DATUM["D\_Pulkovo\_1942",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",99],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1942 GK Zone 18,28418**

PROJCS["Pulkovo\_1942\_GK\_Zone\_18",GEOGCS["GCS\_Pulkovo\_1942",DATUM["D\_Pulkovo\_1942",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",18500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",105],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1942 GK Zone 18N,28478**

PROJCS["Pulkovo\_1942\_GK\_Zone\_18N",GEOGCS["GCS\_Pulkovo\_1942",DATUM["D\_Pulkovo\_1942",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",105],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1942 GK Zone 19,28419**

PROJCS["Pulkovo\_1942\_GK\_Zone\_19",GEOGCS["GCS\_Pulkovo\_1942",DATUM["D\_Pulkovo\_1942",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",19500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",111],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1942 GK Zone 19N,28479**

PROJCS["Pulkovo\_1942\_GK\_Zone\_19N",GEOGCS["GCS\_Pulkovo\_1942",DATUM["D\_Pulkovo\_1942",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",111],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1942 GK Zone 2,28402**

```
PROJCS["Pulkovo_1942_GK_Zone_2",GEOGCS["GCS_Pulkovo_1942",DATUM["D_Pulkovo_1942",SPHEROID["Krasovsky_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss_Kruger"],PARAMETER["False_Easting",250000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",9],PARAMETER["Scale_Factor",1],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**Pulkovo 1942 GK Zone 20,28420**

```
PROJCS["Pulkovo_1942_GK_Zone_20",GEOGCS["GCS_Pulkovo_1942",DATUM["D_Pulkovo_1942",SPHEROID["Krasovsky_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss_Kruger"],PARAMETER["False_Easting",20500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",117],PARAMETER["Scale_Factor",1],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**Pulkovo 1942 GK Zone 20N,28480**

```
PROJCS["Pulkovo_1942_GK_Zone_20N",GEOGCS["GCS_Pulkovo_1942",DATUM["D_Pulkovo_1942",SPHEROID["Krasovsky_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss_Kruger"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",117],PARAMETER["Scale_Factor",1],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**Pulkovo 1942 GK Zone 21,28421**

```
PROJCS["Pulkovo_1942_GK_Zone_21",GEOGCS["GCS_Pulkovo_1942",DATUM["D_Pulkovo_1942",SPHEROID["Krasovsky_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss_Kruger"],PARAMETER["False_Easting",21500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",123],PARAMETER["Scale_Factor",1],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**Pulkovo 1942 GK Zone 21N,28481**

```
PROJCS["Pulkovo_1942_GK_Zone_21N",GEOGCS["GCS_Pulkovo_1942",DATUM["D_Pulkovo_1942",SPHEROID["Krasovsky_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss_Kruger"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",123],PARAMETER["Scale_Factor",1],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**Pulkovo 1942 GK Zone 22,28422**

```
PROJCS["Pulkovo_1942_GK_Zone_22",GEOGCS["GCS_Pulkovo_1942",DATUM["D_Pulkovo_1942",SPHEROID["Krasovsky_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss_Kruger"],PARAMETER["False_Easting",22500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",129],PARAMETER["Scale_Factor",1],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**Pulkovo 1942 GK Zone 22N,28482**

```
PROJCS["Pulkovo_1942_GK_Zone_22N",GEOGCS["GCS_Pulkovo_1942",DATUM["D_Pulkovo_1942",SPHEROID["Krasovsky_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss_Kruger"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",129],PARAMETER["Scale_Factor",1],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**Pulkovo 1942 GK Zone 23,28423**

```
PROJCS["Pulkovo_1942_GK_Zone_23",GEOGCS["GCS_Pulkovo_1942",DATUM["D_Pulkovo_1942",SPHEROID["Krasovsky_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss_Kruger"],PARAMETER["False_Easting",23500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",135],PARAMETER["Scale_Factor",1],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**Pulkovo 1942 GK Zone 23N,28483**

```
PROJCS["Pulkovo_1942_GK_Zone_23N",GEOGCS["GCS_Pulkovo_1942",DATUM["D_Pulkovo_1942",SPHEROID["Krasovsky_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss_Kruger"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",135],PARAMETER["Scale_Factor",1],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**Pulkovo 1942 GK Zone 24,28424**

```
PROJCS["Pulkovo_1942_GK_Zone_24",GEOGCS["GCS_Pulkovo_1942",DATUM["D_Pulkovo_1942",SPHEROID["Krasovsky_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss_Kruger"],PARAMETER["False_Easting",24500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",141],PARAMETER["Scale_Factor",1],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**Pulkovo 1942 GK Zone 24N,28484**

```
PROJCS["Pulkovo_1942_GK_Zone_24N",GEOGCS["GCS_Pulkovo_1942",DATUM["D_Pulkovo_1942",SPHEROID["Krasovsky_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss_Kruger"],PARAMETER["False_Easting",
```

500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",141],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1942 GK Zone 25,28425**

PROJCS["Pulkovo\_1942\_GK\_Zone\_25",GEOGCS["GCS\_Pulkovo\_1942",DATUM["D\_Pulkovo\_1942",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",25500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",147],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1942 GK Zone 25N,28485**

PROJCS["Pulkovo\_1942\_GK\_Zone\_25N",GEOGCS["GCS\_Pulkovo\_1942",DATUM["D\_Pulkovo\_1942",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",147],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1942 GK Zone 26,28426**

PROJCS["Pulkovo\_1942\_GK\_Zone\_26",GEOGCS["GCS\_Pulkovo\_1942",DATUM["D\_Pulkovo\_1942",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",26500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",153],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1942 GK Zone 26N,28486**

PROJCS["Pulkovo\_1942\_GK\_Zone\_26N",GEOGCS["GCS\_Pulkovo\_1942",DATUM["D\_Pulkovo\_1942",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",153],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1942 GK Zone 27,28427**

PROJCS["Pulkovo\_1942\_GK\_Zone\_27",GEOGCS["GCS\_Pulkovo\_1942",DATUM["D\_Pulkovo\_1942",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",27500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",159],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1942 GK Zone 27N,28487**

PROJCS["Pulkovo\_1942\_GK\_Zone\_27N",GEOGCS["GCS\_Pulkovo\_1942",DATUM["D\_Pulkovo\_1942",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",159],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1942 GK Zone 28,28428**

PROJCS["Pulkovo\_1942\_GK\_Zone\_28",GEOGCS["GCS\_Pulkovo\_1942",DATUM["D\_Pulkovo\_1942",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",28500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",165],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1942 GK Zone 28N,28488**

PROJCS["Pulkovo\_1942\_GK\_Zone\_28N",GEOGCS["GCS\_Pulkovo\_1942",DATUM["D\_Pulkovo\_1942",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",165],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1942 GK Zone 29,28429**

PROJCS["Pulkovo\_1942\_GK\_Zone\_29",GEOGCS["GCS\_Pulkovo\_1942",DATUM["D\_Pulkovo\_1942",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",29500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",171],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1942 GK Zone 29N,28489**

PROJCS["Pulkovo\_1942\_GK\_Zone\_29N",GEOGCS["GCS\_Pulkovo\_1942",DATUM["D\_Pulkovo\_1942",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",171],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1942 GK Zone 2N,28462**

```
PROJCS["Pulkovo_1942_GK_Zone_2N",GEOGCS["GCS_Pulkovo_1942",DATUM["D_Pulkovo_1942",SPHEROID["Krasovsky_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss_Kruger"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",9],PARAMETER["Scale_Factor",1],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**Pulkovo 1942 GK Zone 3,28403**

```
PROJCS["Pulkovo_1942_GK_Zone_3",GEOGCS["GCS_Pulkovo_1942",DATUM["D_Pulkovo_1942",SPHEROID["Krasovsky_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss_Kruger"],PARAMETER["False_Easting",350000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",15],PARAMETER["Scale_Factor",1],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**Pulkovo 1942 GK Zone 30,28430**

```
PROJCS["Pulkovo_1942_GK_Zone_30",GEOGCS["GCS_Pulkovo_1942",DATUM["D_Pulkovo_1942",SPHEROID["Krasovsky_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss_Kruger"],PARAMETER["False_Easting",3050000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",177],PARAMETER["Scale_Factor",1],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**Pulkovo 1942 GK Zone 30N,28490**

```
PROJCS["Pulkovo_1942_GK_Zone_30N",GEOGCS["GCS_Pulkovo_1942",DATUM["D_Pulkovo_1942",SPHEROID["Krasovsky_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss_Kruger"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",177],PARAMETER["Scale_Factor",1],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**Pulkovo 1942 GK Zone 31,28431**

```
PROJCS["Pulkovo_1942_GK_Zone_31",GEOGCS["GCS_Pulkovo_1942",DATUM["D_Pulkovo_1942",SPHEROID["Krasovsky_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss_Kruger"],PARAMETER["False_Easting",3150000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-177],PARAMETER["Scale_Factor",1],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**Pulkovo 1942 GK Zone 31N,28491**

```
PROJCS["Pulkovo_1942_GK_Zone_31N",GEOGCS["GCS_Pulkovo_1942",DATUM["D_Pulkovo_1942",SPHEROID["Krasovsky_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss_Kruger"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-177],PARAMETER["Scale_Factor",1],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**Pulkovo 1942 GK Zone 32,28432**

```
PROJCS["Pulkovo_1942_GK_Zone_32",GEOGCS["GCS_Pulkovo_1942",DATUM["D_Pulkovo_1942",SPHEROID["Krasovsky_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss_Kruger"],PARAMETER["False_Easting",3250000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-171],PARAMETER["Scale_Factor",1],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**Pulkovo 1942 GK Zone 32N,28492**

```
PROJCS["Pulkovo_1942_GK_Zone_32N",GEOGCS["GCS_Pulkovo_1942",DATUM["D_Pulkovo_1942",SPHEROID["Krasovsky_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss_Kruger"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-171],PARAMETER["Scale_Factor",1],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**Pulkovo 1942 GK Zone 3N,28463**

```
PROJCS["Pulkovo_1942_GK_Zone_3N",GEOGCS["GCS_Pulkovo_1942",DATUM["D_Pulkovo_1942",SPHEROID["Krasovsky_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss_Kruger"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",15],PARAMETER["Scale_Factor",1],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**Pulkovo 1942 GK Zone 4,28404**

```
PROJCS["Pulkovo_1942_GK_Zone_4",GEOGCS["GCS_Pulkovo_1942",DATUM["D_Pulkovo_1942",SPHEROID["Krasovsky_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss_Kruger"],PARAMETER["False_Easting",450000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",21],PARAMETER["Scale_Factor",1],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**Pulkovo 1942 GK Zone 4N,28464**

```
PROJCS["Pulkovo_1942_GK_Zone_4N",GEOGCS["GCS_Pulkovo_1942",DATUM["D_Pulkovo_1942",SPHEROID["Krasovsky_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss_Kruger"],PARAMETER["False_Easting",5
```

00000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",21],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1942 GK Zone 5,28405**

PROJCS["Pulkovo\_1942\_GK\_Zone\_5",GEOGCS["GCS\_Pulkovo\_1942",DATUM["D\_Pulkovo\_1942",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",550000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",27],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1942 GK Zone 5N,28465**

PROJCS["Pulkovo\_1942\_GK\_Zone\_5N",GEOGCS["GCS\_Pulkovo\_1942",DATUM["D\_Pulkovo\_1942",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",27],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1942 GK Zone 6,28406**

PROJCS["Pulkovo\_1942\_GK\_Zone\_6",GEOGCS["GCS\_Pulkovo\_1942",DATUM["D\_Pulkovo\_1942",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",650000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",33],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1942 GK Zone 6N,28466**

PROJCS["Pulkovo\_1942\_GK\_Zone\_6N",GEOGCS["GCS\_Pulkovo\_1942",DATUM["D\_Pulkovo\_1942",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",33],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1942 GK Zone 7,28407**

PROJCS["Pulkovo\_1942\_GK\_Zone\_7",GEOGCS["GCS\_Pulkovo\_1942",DATUM["D\_Pulkovo\_1942",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",750000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",39],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1942 GK Zone 7N,28467**

PROJCS["Pulkovo\_1942\_GK\_Zone\_7N",GEOGCS["GCS\_Pulkovo\_1942",DATUM["D\_Pulkovo\_1942",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",39],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1942 GK Zone 8,28408**

PROJCS["Pulkovo\_1942\_GK\_Zone\_8",GEOGCS["GCS\_Pulkovo\_1942",DATUM["D\_Pulkovo\_1942",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",850000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",45],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1942 GK Zone 8N,28468**

PROJCS["Pulkovo\_1942\_GK\_Zone\_8N",GEOGCS["GCS\_Pulkovo\_1942",DATUM["D\_Pulkovo\_1942",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",45],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1942 GK Zone 9,28409**

PROJCS["Pulkovo\_1942\_GK\_Zone\_9",GEOGCS["GCS\_Pulkovo\_1942",DATUM["D\_Pulkovo\_1942",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",950000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",51],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1942 GK Zone 9N,28469**

PROJCS["Pulkovo\_1942\_GK\_Zone\_9N",GEOGCS["GCS\_Pulkovo\_1942",DATUM["D\_Pulkovo\_1942",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",51],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1995 GK Zone 10,20010**

PROJCS["Pulkovo\_1995\_GK\_Zone\_10",GEOGCS["GCS\_Pulkovo\_1995",DATUM["D\_Pulkovo\_1995",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",10500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",57],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1995 GK Zone 10N,20070**

PROJCS["Pulkovo\_1995\_GK\_Zone\_10N",GEOGCS["GCS\_Pulkovo\_1995",DATUM["D\_Pulkovo\_1995",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",57],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1995 GK Zone 11,20011**

PROJCS["Pulkovo\_1995\_GK\_Zone\_11",GEOGCS["GCS\_Pulkovo\_1995",DATUM["D\_Pulkovo\_1995",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",1500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",63],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1995 GK Zone 11N,20071**

PROJCS["Pulkovo\_1995\_GK\_Zone\_11N",GEOGCS["GCS\_Pulkovo\_1995",DATUM["D\_Pulkovo\_1995",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",63],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1995 GK Zone 12,20012**

PROJCS["Pulkovo\_1995\_GK\_Zone\_12",GEOGCS["GCS\_Pulkovo\_1995",DATUM["D\_Pulkovo\_1995",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",12500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",69],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1995 GK Zone 12N,20072**

PROJCS["Pulkovo\_1995\_GK\_Zone\_12N",GEOGCS["GCS\_Pulkovo\_1995",DATUM["D\_Pulkovo\_1995",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",69],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1995 GK Zone 13,20013**

PROJCS["Pulkovo\_1995\_GK\_Zone\_13",GEOGCS["GCS\_Pulkovo\_1995",DATUM["D\_Pulkovo\_1995",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",13500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",75],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1995 GK Zone 13N,20073**

PROJCS["Pulkovo\_1995\_GK\_Zone\_13N",GEOGCS["GCS\_Pulkovo\_1995",DATUM["D\_Pulkovo\_1995",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",75],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1995 GK Zone 14,20014**

PROJCS["Pulkovo\_1995\_GK\_Zone\_14",GEOGCS["GCS\_Pulkovo\_1995",DATUM["D\_Pulkovo\_1995",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",14500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",81],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1995 GK Zone 14N,20074**

PROJCS["Pulkovo\_1995\_GK\_Zone\_14N",GEOGCS["GCS\_Pulkovo\_1995",DATUM["D\_Pulkovo\_1995",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",81],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1995 GK Zone 15,20015**

PROJCS["Pulkovo\_1995\_GK\_Zone\_15",GEOGCS["GCS\_Pulkovo\_1995",DATUM["D\_Pulkovo\_1995",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",1

5500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",87],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1995 GK Zone 15N,20075**

PROJCS["Pulkovo\_1995\_GK\_Zone\_15N",GEOGCS["GCS\_Pulkovo\_1995",DATUM["D\_Pulkovo\_1995",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",87],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1995 GK Zone 16,20016**

PROJCS["Pulkovo\_1995\_GK\_Zone\_16",GEOGCS["GCS\_Pulkovo\_1995",DATUM["D\_Pulkovo\_1995",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",16500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",93],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1995 GK Zone 16N,20076**

PROJCS["Pulkovo\_1995\_GK\_Zone\_16N",GEOGCS["GCS\_Pulkovo\_1995",DATUM["D\_Pulkovo\_1995",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",93],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1995 GK Zone 17,20017**

PROJCS["Pulkovo\_1995\_GK\_Zone\_17",GEOGCS["GCS\_Pulkovo\_1995",DATUM["D\_Pulkovo\_1995",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",17500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",99],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1995 GK Zone 17N,20077**

PROJCS["Pulkovo\_1995\_GK\_Zone\_17N",GEOGCS["GCS\_Pulkovo\_1995",DATUM["D\_Pulkovo\_1995",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",99],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1995 GK Zone 18,20018**

PROJCS["Pulkovo\_1995\_GK\_Zone\_18",GEOGCS["GCS\_Pulkovo\_1995",DATUM["D\_Pulkovo\_1995",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",18500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",105],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1995 GK Zone 18N,20078**

PROJCS["Pulkovo\_1995\_GK\_Zone\_18N",GEOGCS["GCS\_Pulkovo\_1995",DATUM["D\_Pulkovo\_1995",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",105],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1995 GK Zone 19,20019**

PROJCS["Pulkovo\_1995\_GK\_Zone\_19",GEOGCS["GCS\_Pulkovo\_1995",DATUM["D\_Pulkovo\_1995",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",19500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",111],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1995 GK Zone 19N,20079**

PROJCS["Pulkovo\_1995\_GK\_Zone\_19N",GEOGCS["GCS\_Pulkovo\_1995",DATUM["D\_Pulkovo\_1995",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",111],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1995 GK Zone 2,20002**

PROJCS["Pulkovo\_1995\_GK\_Zone\_2",GEOGCS["GCS\_Pulkovo\_1995",DATUM["D\_Pulkovo\_1995",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",2500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",9],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1995 GK Zone 20,20020**

```
PROJCS["Pulkovo_1995_GK_Zone_20",GEOGCS["GCS_Pulkovo_1995",DATUM["D_Pulkovo_1995",SPHEROID["Krasovsky_1940",637824
5,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss_Kruger"],PARAMETER["False_Easting",2
0500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",117],PARAMETER["Scale_Factor",1],PARAMETER["Latitude_
Of_Origin",0],UNIT["Meter",1]]
```

**Pulkovo 1995 GK Zone 20N,20080**

```
PROJCS["Pulkovo_1995_GK_Zone_20N",GEOGCS["GCS_Pulkovo_1995",DATUM["D_Pulkovo_1995",SPHEROID["Krasovsky_1940",63782
45,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss_Kruger"],PARAMETER["False_Easting",
500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",117],PARAMETER["Scale_Factor",1],PARAMETER["Latitude_O
f_Origin",0],UNIT["Meter",1]]
```

**Pulkovo 1995 GK Zone 21,20021**

```
PROJCS["Pulkovo_1995_GK_Zone_21",GEOGCS["GCS_Pulkovo_1995",DATUM["D_Pulkovo_1995",SPHEROID["Krasovsky_1940",637824
5,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss_Kruger"],PARAMETER["False_Easting",2
1500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",123],PARAMETER["Scale_Factor",1],PARAMETER["Latitude_
Of_Origin",0],UNIT["Meter",1]]
```

**Pulkovo 1995 GK Zone 21N,20081**

```
PROJCS["Pulkovo_1995_GK_Zone_21N",GEOGCS["GCS_Pulkovo_1995",DATUM["D_Pulkovo_1995",SPHEROID["Krasovsky_1940",63782
45,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss_Kruger"],PARAMETER["False_Easting",
500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",123],PARAMETER["Scale_Factor",1],PARAMETER["Latitude_O
f_Origin",0],UNIT["Meter",1]]
```

**Pulkovo 1995 GK Zone 22,20022**

```
PROJCS["Pulkovo_1995_GK_Zone_22",GEOGCS["GCS_Pulkovo_1995",DATUM["D_Pulkovo_1995",SPHEROID["Krasovsky_1940",637824
5,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss_Kruger"],PARAMETER["False_Easting",2
2500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",129],PARAMETER["Scale_Factor",1],PARAMETER["Latitude_
Of_Origin",0],UNIT["Meter",1]]
```

**Pulkovo 1995 GK Zone 22N,20082**

```
PROJCS["Pulkovo_1995_GK_Zone_22N",GEOGCS["GCS_Pulkovo_1995",DATUM["D_Pulkovo_1995",SPHEROID["Krasovsky_1940",63782
45,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss_Kruger"],PARAMETER["False_Easting",
500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",129],PARAMETER["Scale_Factor",1],PARAMETER["Latitude_O
f_Origin",0],UNIT["Meter",1]]
```

**Pulkovo 1995 GK Zone 23,20023**

```
PROJCS["Pulkovo_1995_GK_Zone_23",GEOGCS["GCS_Pulkovo_1995",DATUM["D_Pulkovo_1995",SPHEROID["Krasovsky_1940",637824
5,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss_Kruger"],PARAMETER["False_Easting",2
3500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",135],PARAMETER["Scale_Factor",1],PARAMETER["Latitude_
Of_Origin",0],UNIT["Meter",1]]
```

**Pulkovo 1995 GK Zone 23N,20083**

```
PROJCS["Pulkovo_1995_GK_Zone_23N",GEOGCS["GCS_Pulkovo_1995",DATUM["D_Pulkovo_1995",SPHEROID["Krasovsky_1940",63782
45,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss_Kruger"],PARAMETER["False_Easting",
500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",135],PARAMETER["Scale_Factor",1],PARAMETER["Latitude_O
f_Origin",0],UNIT["Meter",1]]
```

**Pulkovo 1995 GK Zone 24,20024**

```
PROJCS["Pulkovo_1995_GK_Zone_24",GEOGCS["GCS_Pulkovo_1995",DATUM["D_Pulkovo_1995",SPHEROID["Krasovsky_1940",637824
5,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss_Kruger"],PARAMETER["False_Easting",2
4500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",141],PARAMETER["Scale_Factor",1],PARAMETER["Latitude_
Of_Origin",0],UNIT["Meter",1]]
```

**Pulkovo 1995 GK Zone 24N,20084**

```
PROJCS["Pulkovo_1995_GK_Zone_24N",GEOGCS["GCS_Pulkovo_1995",DATUM["D_Pulkovo_1995",SPHEROID["Krasovsky_1940",63782
45,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss_Kruger"],PARAMETER["False_Easting",
500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",141],PARAMETER["Scale_Factor",1],PARAMETER["Latitude_O
f_Origin",0],UNIT["Meter",1]]
```

**Pulkovo 1995 GK Zone 25,20025**

```
PROJCS["Pulkovo_1995_GK_Zone_25",GEOGCS["GCS_Pulkovo_1995",DATUM["D_Pulkovo_1995",SPHEROID["Krasovsky_1940",637824
5,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss_Kruger"],PARAMETER["False_Easting",2
```

5500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",147],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1995 GK Zone 25N,20085**

PROJCS["Pulkovo\_1995\_GK\_Zone\_25N",GEOGCS["GCS\_Pulkovo\_1995",DATUM["D\_Pulkovo\_1995",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",147],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1995 GK Zone 26,20026**

PROJCS["Pulkovo\_1995\_GK\_Zone\_26",GEOGCS["GCS\_Pulkovo\_1995",DATUM["D\_Pulkovo\_1995",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",26500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",153],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1995 GK Zone 26N,20086**

PROJCS["Pulkovo\_1995\_GK\_Zone\_26N",GEOGCS["GCS\_Pulkovo\_1995",DATUM["D\_Pulkovo\_1995",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",153],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1995 GK Zone 27,20027**

PROJCS["Pulkovo\_1995\_GK\_Zone\_27",GEOGCS["GCS\_Pulkovo\_1995",DATUM["D\_Pulkovo\_1995",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",27500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",159],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1995 GK Zone 27N,20087**

PROJCS["Pulkovo\_1995\_GK\_Zone\_27N",GEOGCS["GCS\_Pulkovo\_1995",DATUM["D\_Pulkovo\_1995",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",159],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1995 GK Zone 28,20028**

PROJCS["Pulkovo\_1995\_GK\_Zone\_28",GEOGCS["GCS\_Pulkovo\_1995",DATUM["D\_Pulkovo\_1995",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",28500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",165],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1995 GK Zone 28N,20088**

PROJCS["Pulkovo\_1995\_GK\_Zone\_28N",GEOGCS["GCS\_Pulkovo\_1995",DATUM["D\_Pulkovo\_1995",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",165],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1995 GK Zone 29,20029**

PROJCS["Pulkovo\_1995\_GK\_Zone\_29",GEOGCS["GCS\_Pulkovo\_1995",DATUM["D\_Pulkovo\_1995",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",29500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",171],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1995 GK Zone 29N,20089**

PROJCS["Pulkovo\_1995\_GK\_Zone\_29N",GEOGCS["GCS\_Pulkovo\_1995",DATUM["D\_Pulkovo\_1995",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",171],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1995 GK Zone 2N,20062**

PROJCS["Pulkovo\_1995\_GK\_Zone\_2N",GEOGCS["GCS\_Pulkovo\_1995",DATUM["D\_Pulkovo\_1995",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",9],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1995 GK Zone 3,20003**

PROJCS["Pulkovo\_1995\_GK\_Zone\_3",GEOGCS["GCS\_Pulkovo\_1995",DATUM["D\_Pulkovo\_1995",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",350000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",15],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1995 GK Zone 30,20030**

PROJCS["Pulkovo\_1995\_GK\_Zone\_30",GEOGCS["GCS\_Pulkovo\_1995",DATUM["D\_Pulkovo\_1995",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",3050000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",177],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1995 GK Zone 30N,20090**

PROJCS["Pulkovo\_1995\_GK\_Zone\_30N",GEOGCS["GCS\_Pulkovo\_1995",DATUM["D\_Pulkovo\_1995",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",177],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1995 GK Zone 31,20031**

PROJCS["Pulkovo\_1995\_GK\_Zone\_31",GEOGCS["GCS\_Pulkovo\_1995",DATUM["D\_Pulkovo\_1995",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",3150000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-177],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1995 GK Zone 31N,20091**

PROJCS["Pulkovo\_1995\_GK\_Zone\_31N",GEOGCS["GCS\_Pulkovo\_1995",DATUM["D\_Pulkovo\_1995",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-177],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1995 GK Zone 32,20032**

PROJCS["Pulkovo\_1995\_GK\_Zone\_32",GEOGCS["GCS\_Pulkovo\_1995",DATUM["D\_Pulkovo\_1995",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",3250000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-171],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1995 GK Zone 32N,20092**

PROJCS["Pulkovo\_1995\_GK\_Zone\_32N",GEOGCS["GCS\_Pulkovo\_1995",DATUM["D\_Pulkovo\_1995",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-171],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1995 GK Zone 3N,20063**

PROJCS["Pulkovo\_1995\_GK\_Zone\_3N",GEOGCS["GCS\_Pulkovo\_1995",DATUM["D\_Pulkovo\_1995",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",15],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1995 GK Zone 4,20004**

PROJCS["Pulkovo\_1995\_GK\_Zone\_4",GEOGCS["GCS\_Pulkovo\_1995",DATUM["D\_Pulkovo\_1995",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",450000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",21],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1995 GK Zone 4N,20064**

PROJCS["Pulkovo\_1995\_GK\_Zone\_4N",GEOGCS["GCS\_Pulkovo\_1995",DATUM["D\_Pulkovo\_1995",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",21],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1995 GK Zone 5,20005**

PROJCS["Pulkovo\_1995\_GK\_Zone\_5",GEOGCS["GCS\_Pulkovo\_1995",DATUM["D\_Pulkovo\_1995",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",550

0000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",27],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1995 GK Zone 5N,20065**

PROJCS["Pulkovo\_1995\_GK\_Zone\_5N",GEOGCS["GCS\_Pulkovo\_1995",DATUM["D\_Pulkovo\_1995",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",27],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1995 GK Zone 6,20006**

PROJCS["Pulkovo\_1995\_GK\_Zone\_6",GEOGCS["GCS\_Pulkovo\_1995",DATUM["D\_Pulkovo\_1995",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",650000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",33],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1995 GK Zone 6N,20066**

PROJCS["Pulkovo\_1995\_GK\_Zone\_6N",GEOGCS["GCS\_Pulkovo\_1995",DATUM["D\_Pulkovo\_1995",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",33],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1995 GK Zone 7,20007**

PROJCS["Pulkovo\_1995\_GK\_Zone\_7",GEOGCS["GCS\_Pulkovo\_1995",DATUM["D\_Pulkovo\_1995",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",750000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",39],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1995 GK Zone 7N,20067**

PROJCS["Pulkovo\_1995\_GK\_Zone\_7N",GEOGCS["GCS\_Pulkovo\_1995",DATUM["D\_Pulkovo\_1995",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",39],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1995 GK Zone 8,20008**

PROJCS["Pulkovo\_1995\_GK\_Zone\_8",GEOGCS["GCS\_Pulkovo\_1995",DATUM["D\_Pulkovo\_1995",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",850000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",45],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1995 GK Zone 8N,20068**

PROJCS["Pulkovo\_1995\_GK\_Zone\_8N",GEOGCS["GCS\_Pulkovo\_1995",DATUM["D\_Pulkovo\_1995",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",45],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1995 GK Zone 9,20009**

PROJCS["Pulkovo\_1995\_GK\_Zone\_9",GEOGCS["GCS\_Pulkovo\_1995",DATUM["D\_Pulkovo\_1995",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",950000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",51],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Pulkovo 1995 GK Zone 9N,20069**

PROJCS["Pulkovo\_1995\_GK\_Zone\_9N",GEOGCS["GCS\_Pulkovo\_1995",DATUM["D\_Pulkovo\_1995",SPHEROID["Krasovsky\_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gauss\_Kruger"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",51],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Qatar National Grid,28600**

PROJCS["Qatar\_National\_Grid",GEOGCS["GCS\_Qatar",DATUM["D\_Qatar",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",200000],PARAMETER["False\_Northing",300000],PARAMETER["Central\_Meridian",51.21666666666667],PARAMETER["Scale\_Factor",0.9999900000000001],PARAMETER["Latitude\_Of\_Origin",24.45],UNIT["Meter",1]]

**RD New,28992**

PROJCS["RD\_New",GEOGCS["GCS\_Amersfoort",DATUM["D\_Amersfoort",SPHEROID["Bessel\_1841",6377397.155,299.1528128]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Double\_Stereographic"],PARAMETER["False\_Easting",155000],PARAMETER["False\_Northing",463000],PARAMETER["Central\_Meridian",5.38763888888889],PARAMETER["Scale\_Factor",0.9999079],PARAMETER["Latitude\_Of\_Origin",52.15616055555555],UNIT["Meter",1]]

**RD Old,28991**

PROJCS["RD\_Old",GEOGCS["GCS\_Amersfoort",DATUM["D\_Amersfoort",SPHEROID["Bessel\_1841",6377397.155,299.1528128]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Double\_Stereographic"],PARAMETER["False\_Easting",0],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",5.38763888888889],PARAMETER["Scale\_Factor",0.9999079],PARAMETER["Latitude\_Of\_Origin",52.15616055555555],UNIT["Meter",1]]

**RT90 25 gon W,2400**

PROJCS["RT90\_25\_gon\_W",GEOGCS["GCS\_RT\_1990",DATUM["D\_RT\_1990",SPHEROID["Bessel\_1841",6377397.155,299.1528128]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",150000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",15.80827777777778],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**SAD 1969 Brazil Polyconic,29100**

PROJCS["SAD\_1969\_Brazil\_Polyconic",GEOGCS["GCS\_South\_American\_1969",DATUM["D\_South\_American\_1969",SPHEROID["GRS\_1967\_Truncated",6378160,298.25]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Polyconic"],PARAMETER["False\_Easting",5000000],PARAMETER["False\_Northing",10000000],PARAMETER["Central\_Meridian",-54],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**SAD 1969 UTM Zone 17S,29177**

PROJCS["SAD\_1969\_UTM\_Zone\_17S",GEOGCS["GCS\_South\_American\_1969",DATUM["D\_South\_American\_1969",SPHEROID["GRS\_1967\_Truncated",6378160,298.25]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",10000000],PARAMETER["Central\_Meridian",-81],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**SAD 1969 UTM Zone 18N,29118**

PROJCS["SAD\_1969\_UTM\_Zone\_18N",GEOGCS["GCS\_South\_American\_1969",DATUM["D\_South\_American\_1969",SPHEROID["GRS\_1967\_Truncated",6378160,298.25]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-75],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**SAD 1969 UTM Zone 18S,29178**

PROJCS["SAD\_1969\_UTM\_Zone\_18S",GEOGCS["GCS\_South\_American\_1969",DATUM["D\_South\_American\_1969",SPHEROID["GRS\_1967\_Truncated",6378160,298.25]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",10000000],PARAMETER["Central\_Meridian",-75],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**SAD 1969 UTM Zone 19N,29119**

PROJCS["SAD\_1969\_UTM\_Zone\_19N",GEOGCS["GCS\_South\_American\_1969",DATUM["D\_South\_American\_1969",SPHEROID["GRS\_1967\_Truncated",6378160,298.25]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-69],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**SAD 1969 UTM Zone 19S,29179**

PROJCS["SAD\_1969\_UTM\_Zone\_19S",GEOGCS["GCS\_South\_American\_1969",DATUM["D\_South\_American\_1969",SPHEROID["GRS\_1967\_Truncated",6378160,298.25]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",10000000],PARAMETER["Central\_Meridian",-69],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**SAD 1969 UTM Zone 20N,29120**

PROJCS["SAD\_1969\_UTM\_Zone\_20N",GEOGCS["GCS\_South\_American\_1969",DATUM["D\_South\_American\_1969",SPHEROID["GRS\_1967\_Truncated",6378160,298.25]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-63],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**SAD 1969 UTM Zone 20S,29180**

PROJCS["SAD\_1969\_UTM\_Zone\_20S",GEOGCS["GCS\_South\_American\_1969",DATUM["D\_South\_American\_1969",SPHEROID["GRS\_1967\_Truncated",6378160,298.25]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],

PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",10000000],PARAMETER["Central\_Meridian",-63],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**SAD 1969 UTM Zone 21N,29121**

PROJCS["SAD\_1969\_UTM\_Zone\_21N",GEOGCS["GCS\_South\_American\_1969",DATUM["D\_South\_American\_1969",SPHEROID["GRS\_1967\_Truncated",6378160,298.25]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-57],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**SAD 1969 UTM Zone 21S,29181**

PROJCS["SAD\_1969\_UTM\_Zone\_21S",GEOGCS["GCS\_South\_American\_1969",DATUM["D\_South\_American\_1969",SPHEROID["GRS\_1967\_Truncated",6378160,298.25]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",10000000],PARAMETER["Central\_Meridian",-57],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**SAD 1969 UTM Zone 22N,29122**

PROJCS["SAD\_1969\_UTM\_Zone\_22N",GEOGCS["GCS\_South\_American\_1969",DATUM["D\_South\_American\_1969",SPHEROID["GRS\_1967\_Truncated",6378160,298.25]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-51],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**SAD 1969 UTM Zone 22S,29182**

PROJCS["SAD\_1969\_UTM\_Zone\_22S",GEOGCS["GCS\_South\_American\_1969",DATUM["D\_South\_American\_1969",SPHEROID["GRS\_1967\_Truncated",6378160,298.25]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",10000000],PARAMETER["Central\_Meridian",-51],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**SAD 1969 UTM Zone 23S,29183**

PROJCS["SAD\_1969\_UTM\_Zone\_23S",GEOGCS["GCS\_South\_American\_1969",DATUM["D\_South\_American\_1969",SPHEROID["GRS\_1967\_Truncated",6378160,298.25]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",10000000],PARAMETER["Central\_Meridian",-45],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**SAD 1969 UTM Zone 24S,29184**

PROJCS["SAD\_1969\_UTM\_Zone\_24S",GEOGCS["GCS\_South\_American\_1969",DATUM["D\_South\_American\_1969",SPHEROID["GRS\_1967\_Truncated",6378160,298.25]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",10000000],PARAMETER["Central\_Meridian",-39],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**SAD 1969 UTM Zone 25S,29185**

PROJCS["SAD\_1969\_UTM\_Zone\_25S",GEOGCS["GCS\_South\_American\_1969",DATUM["D\_South\_American\_1969",SPHEROID["GRS\_1967\_Truncated",6378160,298.25]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",10000000],PARAMETER["Central\_Meridian",-33],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Sahara,26193**

PROJCS["Sahara",GEOGCS["GCS\_Merchich",DATUM["D\_Merchich",SPHEROID["Clarke\_1880\_IGN",6378249.2,293.46602]],PRIMEM["Greenwich",0],UNIT["Grad",0.015707963267948967]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",1200000],PARAMETER["False\_Northing",400000],PARAMETER["Central\_Meridian",-6],PARAMETER["Standard\_Parallel\_1",29],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",29],UNIT["Meter",1]]

**Samboja UTM Zone 50S,2550**

PROJCS["Samboja\_UTM\_Zone\_50S",GEOGCS["GCS\_Samboja",DATUM["D\_Samboja",SPHEROID["Bessel\_1841",6377397.155,299.1528128]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",10000000],PARAMETER["Central\_Meridian",117],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Sapper Hill 1943 UTM Zone 20S,29220**

PROJCS["Sapper\_Hill\_1943\_UTM\_Zone\_20S",GEOGCS["GCS\_Sapper\_Hill\_1943",DATUM["D\_Sapper\_Hill\_1943",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",10000000],PARAMETER["Central\_Meridian",-63],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Sapper Hill 1943 UTM Zone 21S,29221**

```
PROJCS["Sapper_Hill_1943_UTM_Zone_21S",GEOGCS["GCS_Sapper_Hill_1943",DATUM["D_Sapper_Hill_1943",SPHEROID["International_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",1000000],PARAMETER["Central_Meridian",-57],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**Schwarzeck UTM Zone 33S,29333**

```
PROJCS["Schwarzeck_UTM_Zone_33S",GEOGCS["GCS_Schwarzeck",DATUM["D_Schwarzeck",SPHEROID["Bessel_Namibia",6377483.865,299.1528128]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",1000000],PARAMETER["Central_Meridian",15],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**Sphere Azimuthal Equidistant,53032**

```
PROJCS["Sphere_Azimuthal_Equidistant",GEOGCS["GCS_Sphere",DATUM["D_Sphere",SPHEROID["Sphere",6371000,0]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Azimuthal_Equidistant"],PARAMETER["False_Easting",0],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",0],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**Sphere Behrmann,53017**

```
PROJCS["Sphere_Behrmann",GEOGCS["GCS_Sphere",DATUM["D_Sphere",SPHEROID["Sphere",6371000,0]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Behrmann"],PARAMETER["False_Easting",0],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",0],UNIT["Meter",1]]
```

**Sphere Bonne,53024**

```
PROJCS["Sphere_Bonne",GEOGCS["GCS_Sphere",DATUM["D_Sphere",SPHEROID["Sphere",6371000,0]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Bonne"],PARAMETER["False_Easting",0],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",0],PARAMETER["Standard_Parallel_1",60],UNIT["Meter",1]]
```

**Sphere Cassini,53028**

```
PROJCS["Sphere_Cassini",GEOGCS["GCS_Sphere",DATUM["D_Sphere",SPHEROID["Sphere",6371000,0]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Cassini"],PARAMETER["False_Easting",0],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",0],PARAMETER["Scale_Factor",1],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**Sphere Eckert I,53015**

```
PROJCS["Sphere_Eckert_I",GEOGCS["GCS_Sphere",DATUM["D_Sphere",SPHEROID["Sphere",6371000,0]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Eckert_I"],PARAMETER["False_Easting",0],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",0],UNIT["Meter",1]]
```

**Sphere Eckert II,53014**

```
PROJCS["Sphere_Eckert_II",GEOGCS["GCS_Sphere",DATUM["D_Sphere",SPHEROID["Sphere",6371000,0]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Eckert_II"],PARAMETER["False_Easting",0],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",0],UNIT["Meter",1]]
```

**Sphere Eckert III,53013**

```
PROJCS["Sphere_Eckert_III",GEOGCS["GCS_Sphere",DATUM["D_Sphere",SPHEROID["Sphere",6371000,0]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Eckert_III"],PARAMETER["False_Easting",0],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",0],UNIT["Meter",1]]
```

**Sphere Eckert IV,53012**

```
PROJCS["Sphere_Eckert_IV",GEOGCS["GCS_Sphere",DATUM["D_Sphere",SPHEROID["Sphere",6371000,0]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Eckert_IV"],PARAMETER["False_Easting",0],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",0],UNIT["Meter",1]]
```

**Sphere Eckert V,53011**

```
PROJCS["Sphere_Eckert_V",GEOGCS["GCS_Sphere",DATUM["D_Sphere",SPHEROID["Sphere",6371000,0]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Eckert_V"],PARAMETER["False_Easting",0],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",0],UNIT["Meter",1]]
```

**Sphere Eckert VI,53010**

```
PROJCS["Sphere_Eckert_VI",GEOGCS["GCS_Sphere",DATUM["D_Sphere",SPHEROID["Sphere",6371000,0]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Eckert_VI"],PARAMETER["False_Easting",0],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",0],UNIT["Meter",1]]
```

**Sphere Equidistant Conic,53027**

```
PROJCS["Sphere_Equidistant_Conic",GEOGCS["GCS_Sphere",DATUM["D_Sphere",SPHEROID["Sphere",6371000,0]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Equidistant_Conic"],PARAMETER["False_Easting",0],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",0],PARAMETER["Standard_Parallel_1",60],PARAMETER["Standard_Parallel_2",60],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**Sphere Equidistant Cylindrical,53002**

```
PROJCS["Sphere_Equidistant_Cylindrical",GEOGCS["GCS_Sphere",DATUM["D_Sphere",SPHEROID["Sphere",6371000,0]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Equidistant_Cylindrical"],PARAMETER["False_Easting",0],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",0],PARAMETER["Standard_Parallel_1",60],UNIT["Meter",1]]
```

**Sphere Gall Stereographic,53016**

```
PROJCS["Sphere_Gall_Stereographic",GEOGCS["GCS_Sphere",DATUM["D_Sphere",SPHEROID["Sphere",6371000,0]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gall_Stereographic"],PARAMETER["False_Easting",0],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",0],UNIT["Meter",1]]
```

**Sphere Loximuthal,53023**

```
PROJCS["Sphere_Loximuthal",GEOGCS["GCS_Sphere",DATUM["D_Sphere",SPHEROID["Sphere",6371000,0]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Loximuthal"],PARAMETER["False_Easting",0],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",0],PARAMETER["Central_Parallel",40],UNIT["Meter",1]]
```

**Sphere Mercator,53004**

```
PROJCS["Sphere_Mercator",GEOGCS["GCS_Sphere",DATUM["D_Sphere",SPHEROID["Sphere",6371000,0]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Mercator"],PARAMETER["False_Easting",0],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",0],PARAMETER["Standard_Parallel_1",0],UNIT["Meter",1]]
```

**Sphere Miller Cylindrical,53003**

```
PROJCS["Sphere_Miller_Cylindrical",GEOGCS["GCS_Sphere",DATUM["D_Sphere",SPHEROID["Sphere",6371000,0]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Miller_Cylindrical"],PARAMETER["False_Easting",0],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",0],UNIT["Meter",1]]
```

**Sphere Mollweide,53009**

```
PROJCS["Sphere_Mollweide",GEOGCS["GCS_Sphere",DATUM["D_Sphere",SPHEROID["Sphere",6371000,0]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Mollweide"],PARAMETER["False_Easting",0],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",0],UNIT["Meter",1]]
```

**Sphere Plate Carree,53001**

```
PROJCS["Sphere_Plate_Carree",GEOGCS["GCS_Sphere",DATUM["D_Sphere",SPHEROID["Sphere",6371000,0]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Plate_Carree"],PARAMETER["False_Easting",0],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",0],UNIT["Meter",1]]
```

**Sphere Polyconic,53021**

```
PROJCS["Sphere_Polyconic",GEOGCS["GCS_Sphere",DATUM["D_Sphere",SPHEROID["Sphere",6371000,0]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Polyconic"],PARAMETER["False_Easting",0],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",0],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**Sphere Quartic Authalic,53022**

```
PROJCS["Sphere_Quartic_Authalic",GEOGCS["GCS_Sphere",DATUM["D_Sphere",SPHEROID["Sphere",6371000,0]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Quartic_Authalic"],PARAMETER["False_Easting",0],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",0],UNIT["Meter",1]]
```

**Sphere Robinson,53030**

```
PROJCS["Sphere_Robinson",GEOGCS["GCS_Sphere",DATUM["D_Sphere",SPHEROID["Sphere",6371000,0]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Robinson"],PARAMETER["False_Easting",0],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",0],UNIT["Meter",1]]
```

**Sphere Sinusoidal,53008**

```
PROJCS["Sphere_Sinusoidal",GEOGCS["GCS_Sphere",DATUM["D_Sphere",SPHEROID["Sphere",6371000,0]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Sinusoidal"],PARAMETER["False_Easting",0],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",0],UNIT["Meter",1]]
```

**Sphere Stereographic,53026**

```
PROJCS["Sphere_Stereographic",GEOGCS["GCS_Sphere",DATUM["D_Sphere",SPHEROID["Sphere",6371000,0]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Stereographic"],PARAMETER["False_Easting",0],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",0],PARAMETER["Scale_Factor",1],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**Sphere Two Point Equidistant,53031**

```
PROJCS["Sphere_Two_Point_Equidistant",GEOGCS["GCS_Sphere",DATUM["D_Sphere",SPHEROID["Sphere",6371000,0]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Two_Point_Equidistant"],PARAMETER["False_Easting",0],PARAMETER["False_Northing",0],PARAMETER["Latitude_Of_1st_Point",0],PARAMETER["Latitude_Of_2nd_Point",60],PARAMETER["Longitude_Of_1st_Point",0],PARAMETER["Longitude_Of_2nd_Point",60],UNIT["Meter",1]]
```

**Sphere Van der Grinten I,53029**

```
PROJCS["Sphere_Van_der_Grinten_I",GEOGCS["GCS_Sphere",DATUM["D_Sphere",SPHEROID["Sphere",6371000,0]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Van_der_Grinten_I"],PARAMETER["False_Easting",0],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",0],UNIT["Meter",1]]
```

**Sphere Winkel I,53018**

```
PROJCS["Sphere_Winkel_I",GEOGCS["GCS_Sphere",DATUM["D_Sphere",SPHEROID["Sphere",6371000,0]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Winkel_I"],PARAMETER["False_Easting",0],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",0],PARAMETER["Standard_Parallel_1",50.45977625218981],UNIT["Meter",1]]
```

**Sphere Winkel II,53019**

```
PROJCS["Sphere_Winkel_II",GEOGCS["GCS_Sphere",DATUM["D_Sphere",SPHEROID["Sphere",6371000,0]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Winkel_II"],PARAMETER["False_Easting",0],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",0],PARAMETER["Standard_Parallel_1",50.45977625218981],UNIT["Meter",1]]
```

**St Kitts 1955 British West Indies Grid,205**

```
PROJCS["St_Kitts_1955_British_West_Indies_Grid",GEOGCS["GCS_St_Kitts_1955",DATUM["D_St_Kitts_1955",SPHEROID["Clarke_1880_RGS",6378249.145,293.465]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",400000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-62],PARAMETER["Scale_Factor",0.9995000000000001],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**St Lucia 1955 British West Indies Grid,206**

```
PROJCS["St_Lucia_1955_British_West_Indies_Grid",GEOGCS["GCS_St_Lucia_1955",DATUM["D_St_Lucia_1955",SPHEROID["Clarke_1880_RGS",6378249.145,293.465]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",400000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-62],PARAMETER["Scale_Factor",0.9995000000000001],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**St Vincent 1945 British West Indies Grid,207**

```
PROJCS["St_Vincent_1945_British_West_Indies_Grid",GEOGCS["GCS_St_Vincent_1945",DATUM["D_St_Vincent_1945",SPHEROID["Clarke_1880_RGS",6378249.145,293.465]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",400000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-62],PARAMETER["Scale_Factor",0.9995000000000001],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**Stereo 33,31600**

```
PROJCS["Stereo_33",GEOGCS["GCS_Dealul_Piscului_1933",DATUM["D_Dealul_Piscului_1933",SPHEROID["International_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Stereographic"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",500000],PARAMETER["Central_Meridian",25.39246588888889],PARAMETER["Scale_Factor",0.9996667],PARAMETER["Latitude_Of_Origin",45.9],UNIT["Meter",1]]
```

**Stereo 70,31700**

```
PROJCS["Stereo_70",GEOGCS["GCS_Dealul_Piscului_1970",DATUM["D_Dealul_Piscului_1970",SPHEROID["Krasovsky_1940",6378245,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Stereographic"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",500000],PARAMETER["Central_Meridian",25],PARAMETER["Scale_Factor",0.99975],PARAMETER["Latitude_Of_Origin",46],UNIT["Meter",1]]
```

**Sud Algeria,30592**

```
PROJCS["Sud_Algerie",GEOGCS["GCS_Voirol_Unifie_1960",DATUM["D_Voirol_Unifie_1960",SPHEROID["Clarke_1880_IGN",6378249.2,293.46602]],PRIMEM["Greenwich",0],UNIT["Grad",0.015707963267948967]],PROJECTION["Lambert_Conformal_Conic"],PARAMETER["False_Easting",500135],PARAMETER["False_Northing",300090],PARAMETER["Central_Meridian",3],PARAMETER["Standard_Parallel_1",37],PARAMETER["Scale_Factor",0.999625769],PARAMETER["Latitude_Of_Origin",37],UNIT["Meter",1]]
```

**Sud Algerie Ancienne,30492**

PROJCS["Sud\_Algerie\_Ancienne",GEOGCS["GCS\_Voirol\_1875",DATUM["D\_Voirol\_1875",SPHEROID["Clarke\_1880\_IGN",6378249.2,293.46602]],PRIMEM["Greenwich",0],UNIT["Grad",0.015707963267948967]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",300000],PARAMETER["Central\_Meridian",3],PARAMETER["Standard\_Parallel\_1",37],PARAMETER["Scale\_Factor",0.999625769],PARAMETER["Latitude\_Of\_Origin",37],UNIT["Meter",1]]

**Sud France,27593**

PROJCS["Sud\_France",GEOGCS["GCS\_NTF\_Paris",DATUM["D\_NTF",SPHEROID["Clarke\_1880\_IGN",6378249.2,293.46602]],PRIMEM["Paris",2.337229166666667],UNIT["Grad",0.015707963267948967]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",600000],PARAMETER["False\_Northing",200000],PARAMETER["Central\_Meridian",0],PARAMETER["Standard\_Parallel\_1",49],PARAMETER["Scale\_Factor",0.999877499],PARAMETER["Latitude\_Of\_Origin",49],UNIT["Meter",1]]

**Sud Maroc,26192**

PROJCS["Sud\_Maroc",GEOGCS["GCS\_Merchich",DATUM["D\_Merchich",SPHEROID["Clarke\_1880\_IGN",6378249.2,293.46602]],PRIMEM["Greenwich",0],UNIT["Grad",0.015707963267948967]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",300000],PARAMETER["Central\_Meridian",-6],PARAMETER["Standard\_Parallel\_1",33],PARAMETER["Scale\_Factor",0.9996155960000001],PARAMETER["Latitude\_Of\_Origin",33],UNIT["Meter",1]]

**Sud Tunisie,22392**

PROJCS["Sud\_Tunisie",GEOGCS["GCS\_Carthage",DATUM["D\_Carthage",SPHEROID["Clarke\_1880\_IGN",6378249.2,293.46602]],PRIMEM["Greenwich",0],UNIT["Grad",0.015707963267948967]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",300000],PARAMETER["Central\_Meridian",11],PARAMETER["Standard\_Parallel\_1",37],PARAMETER["Scale\_Factor",0.999625769],PARAMETER["Latitude\_Of\_Origin",37],UNIT["Meter",1]]

**Sudan UTM Zone 35N,29635**

PROJCS["Sudan\_UTM\_Zone\_35N",GEOGCS["GCS\_Sudan",DATUM["D\_Sudan",SPHEROID["Clarke\_1880\_IGN",6378249.2,293.46602]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",27],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Sudan UTM Zone 36N,29636**

PROJCS["Sudan\_UTM\_Zone\_36N",GEOGCS["GCS\_Sudan",DATUM["D\_Sudan",SPHEROID["Clarke\_1880\_IGN",6378249.2,293.46602]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",33],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Swedish National Grid,30800**

PROJCS["Swedish\_National\_Grid",GEOGCS["GCS\_RT38\_Stockholm",DATUM["D\_Stockholm\_1938",SPHEROID["Bessel\_1841",6377397.155,299.1528128]],PRIMEM["Stockholm",18.05827777777778],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",1500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-2.25],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**TC 1948 UTM Zone 39N,30339**

PROJCS["TC\_1948\_UTM\_Zone\_39N",GEOGCS["GCS\_Trucial\_Coast\_1948",DATUM["D\_Trucial\_Coast\_1948",SPHEROID["Helmert\_1906",6378200,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",51],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**TC 1948 UTM Zone 40N,30340**

PROJCS["TC\_1948\_UTM\_Zone\_40N",GEOGCS["GCS\_Trucial\_Coast\_1948",DATUM["D\_Trucial\_Coast\_1948",SPHEROID["Helmert\_1906",6378200,298.3]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",57],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Tananarive 1925 UTM Zone 38S,29738**

PROJCS["Tananarive\_1925\_UTM\_Zone\_38S",GEOGCS["GCS\_Tananarive\_1925",DATUM["D\_Tananarive\_1925",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",45],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**Tananarive 1925 UTM Zone 39S,29739**

PROJCS["Tananarive\_1925\_UTM\_Zone\_39S",GEOGCS["GCS\_Tananarive\_1925",DATUM["D\_Tananarive\_1925",SPHEROID["International\_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER

[{"False\_Easting":5000000,"PARAMETER":{"False\_Northing":10000000},"PARAMETER":{"Central\_Meridian":51},"PARAMETER":{"Scale\_Factor":0.9996},"PARAMETER":{"Latitude\_Of\_Origin":0},"UNIT":{"Meter":1}}]

**Tete UTM Zone 36S,2736**

PROJCS[{"Tete\_UTM\_Zone\_36S","GEOGCS":{"GCS\_Tete","DATUM":{"D\_Tete"},"SPHEROID":{"Clarke\_1866","6378206.4,294.9786982}},"PRIMEM":{"Greenwich":0},"UNIT":{"Degree":0.017453292519943295}},"PROJECTION":{"Transverse\_Mercator"},"PARAMETER":{"False\_Easting":5000000},"PARAMETER":{"False\_Northing":10000000},"PARAMETER":{"Central\_Meridian":33},"PARAMETER":{"Scale\_Factor":0.9996},"PARAMETER":{"Latitude\_Of\_Origin":0},"UNIT":{"Meter":1}}]

**Tete UTM Zone 37S,2737**

PROJCS[{"Tete\_UTM\_Zone\_37S","GEOGCS":{"GCS\_Tete","DATUM":{"D\_Tete"},"SPHEROID":{"Clarke\_1866","6378206.4,294.9786982}},"PRIMEM":{"Greenwich":0},"UNIT":{"Degree":0.017453292519943295}},"PROJECTION":{"Transverse\_Mercator"},"PARAMETER":{"False\_Easting":5000000},"PARAMETER":{"False\_Northing":10000000},"PARAMETER":{"Central\_Meridian":39},"PARAMETER":{"Scale\_Factor":0.9996},"PARAMETER":{"Latitude\_Of\_Origin":0},"UNIT":{"Meter":1}}]

**Timbalai 1948 UTM Zone 49N,29849**

PROJCS[{"Timbalai\_1948\_UTM\_Zone\_49N","GEOGCS":{"GCS\_Timbalai\_1948","DATUM":{"D\_Timbalai\_1948"},"SPHEROID":{"Everest\_Definition\_1967","6377298.556,300.8017}},"PRIMEM":{"Greenwich":0},"UNIT":{"Degree":0.017453292519943295}},"PROJECTION":{"Transverse\_Mercator"},"PARAMETER":{"False\_Easting":5000000},"PARAMETER":{"False\_Northing":0},"PARAMETER":{"Central\_Meridian":111},"PARAMETER":{"Scale\_Factor":0.9996},"PARAMETER":{"Latitude\_Of\_Origin":0},"UNIT":{"Meter":1}}]

**Timbalai 1948 UTM Zone 50N,29850**

PROJCS[{"Timbalai\_1948\_UTM\_Zone\_50N","GEOGCS":{"GCS\_Timbalai\_1948","DATUM":{"D\_Timbalai\_1948"},"SPHEROID":{"Everest\_Definition\_1967","6377298.556,300.8017}},"PRIMEM":{"Greenwich":0},"UNIT":{"Degree":0.017453292519943295}},"PROJECTION":{"Transverse\_Mercator"},"PARAMETER":{"False\_Easting":5000000},"PARAMETER":{"False\_Northing":0},"PARAMETER":{"Central\_Meridian":117},"PARAMETER":{"Scale\_Factor":0.9996},"PARAMETER":{"Latitude\_Of\_Origin":0},"UNIT":{"Meter":1}}]

**UPS North,32661**

PROJCS[{"UPS\_North","GEOGCS":{"GCS\_WGS\_1984","DATUM":{"D\_WGS\_1984"},"SPHEROID":{"WGS\_1984","6378137,298.257223563}},"PRIMEM":{"Greenwich":0},"UNIT":{"Degree":0.017453292519943295}},"PROJECTION":{"Stereographic"},"PARAMETER":{"False\_Easting":2000000},"PARAMETER":{"False\_Northing":2000000},"PARAMETER":{"Central\_Meridian":0},"PARAMETER":{"Scale\_Factor":0.994},"PARAMETER":{"Latitude\_Of\_Origin":90},"UNIT":{"Meter":1}}]

**UPS South,32761**

PROJCS[{"UPS\_South","GEOGCS":{"GCS\_WGS\_1984","DATUM":{"D\_WGS\_1984"},"SPHEROID":{"WGS\_1984","6378137,298.257223563}},"PRIMEM":{"Greenwich":0},"UNIT":{"Degree":0.017453292519943295}},"PROJECTION":{"Stereographic"},"PARAMETER":{"False\_Easting":2000000},"PARAMETER":{"False\_Northing":2000000},"PARAMETER":{"Central\_Meridian":0},"PARAMETER":{"Scale\_Factor":0.994},"PARAMETER":{"Latitude\_Of\_Origin":-90},"UNIT":{"Meter":1}}]

**WGS 1972 UTM Zone 10N,32210**

PROJCS[{"WGS\_1972\_UTM\_Zone\_10N","GEOGCS":{"GCS\_WGS\_1972","DATUM":{"D\_WGS\_1972"},"SPHEROID":{"WGS\_1972","6378135,298.26}},"PRIMEM":{"Greenwich":0},"UNIT":{"Degree":0.017453292519943295}},"PROJECTION":{"Transverse\_Mercator"},"PARAMETER":{"False\_Easting":500000},"PARAMETER":{"False\_Northing":0},"PARAMETER":{"Central\_Meridian":-123},"PARAMETER":{"Scale\_Factor":0.9996},"PARAMETER":{"Latitude\_Of\_Origin":0},"UNIT":{"Meter":1}}]

**WGS 1972 UTM Zone 10S,32310**

PROJCS[{"WGS\_1972\_UTM\_Zone\_10S","GEOGCS":{"GCS\_WGS\_1972","DATUM":{"D\_WGS\_1972"},"SPHEROID":{"WGS\_1972","6378135,298.26}},"PRIMEM":{"Greenwich":0},"UNIT":{"Degree":0.017453292519943295}},"PROJECTION":{"Transverse\_Mercator"},"PARAMETER":{"False\_Easting":500000},"PARAMETER":{"False\_Northing":1000000},"PARAMETER":{"Central\_Meridian":-123},"PARAMETER":{"Scale\_Factor":0.9996},"PARAMETER":{"Latitude\_Of\_Origin":0},"UNIT":{"Meter":1}}]

**WGS 1972 UTM Zone 11N,32211**

PROJCS[{"WGS\_1972\_UTM\_Zone\_11N","GEOGCS":{"GCS\_WGS\_1972","DATUM":{"D\_WGS\_1972"},"SPHEROID":{"WGS\_1972","6378135,298.26}},"PRIMEM":{"Greenwich":0},"UNIT":{"Degree":0.017453292519943295}},"PROJECTION":{"Transverse\_Mercator"},"PARAMETER":{"False\_Easting":500000},"PARAMETER":{"False\_Northing":0},"PARAMETER":{"Central\_Meridian":-117},"PARAMETER":{"Scale\_Factor":0.9996},"PARAMETER":{"Latitude\_Of\_Origin":0},"UNIT":{"Meter":1}}]

**WGS 1972 UTM Zone 11S,32311**

PROJCS[{"WGS\_1972\_UTM\_Zone\_11S","GEOGCS":{"GCS\_WGS\_1972","DATUM":{"D\_WGS\_1972"},"SPHEROID":{"WGS\_1972","6378135,298.26}},"PRIMEM":{"Greenwich":0},"UNIT":{"Degree":0.017453292519943295}},"PROJECTION":{"Transverse\_Mercator"},"PARAMETER":{"False\_Easting":500000},"PARAMETER":{"False\_Northing":1000000},"PARAMETER":{"Central\_Meridian":-117},"PARAMETER":{"Scale\_Factor":0.9996},"PARAMETER":{"Latitude\_Of\_Origin":0},"UNIT":{"Meter":1}}]

**WGS 1972 UTM Zone 12N,32212**

```
PROJCS["WGS_1972_UTM_Zone_12N",GEOGCS["GCS_WGS_1972",DATUM["D_WGS_1972",SPHEROID["WGS_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-111],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1972 UTM Zone 12S,32312**

```
PROJCS["WGS_1972_UTM_Zone_12S",GEOGCS["GCS_WGS_1972",DATUM["D_WGS_1972",SPHEROID["WGS_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",1000000],PARAMETER["Central_Meridian",-111],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1972 UTM Zone 13N,32213**

```
PROJCS["WGS_1972_UTM_Zone_13N",GEOGCS["GCS_WGS_1972",DATUM["D_WGS_1972",SPHEROID["WGS_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-105],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1972 UTM Zone 13S,32313**

```
PROJCS["WGS_1972_UTM_Zone_13S",GEOGCS["GCS_WGS_1972",DATUM["D_WGS_1972",SPHEROID["WGS_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",1000000],PARAMETER["Central_Meridian",-105],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1972 UTM Zone 14N,32214**

```
PROJCS["WGS_1972_UTM_Zone_14N",GEOGCS["GCS_WGS_1972",DATUM["D_WGS_1972",SPHEROID["WGS_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-99],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1972 UTM Zone 14S,32314**

```
PROJCS["WGS_1972_UTM_Zone_14S",GEOGCS["GCS_WGS_1972",DATUM["D_WGS_1972",SPHEROID["WGS_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",1000000],PARAMETER["Central_Meridian",-99],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1972 UTM Zone 15N,32215**

```
PROJCS["WGS_1972_UTM_Zone_15N",GEOGCS["GCS_WGS_1972",DATUM["D_WGS_1972",SPHEROID["WGS_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-93],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1972 UTM Zone 15S,32315**

```
PROJCS["WGS_1972_UTM_Zone_15S",GEOGCS["GCS_WGS_1972",DATUM["D_WGS_1972",SPHEROID["WGS_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",1000000],PARAMETER["Central_Meridian",-93],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1972 UTM Zone 16N,32216**

```
PROJCS["WGS_1972_UTM_Zone_16N",GEOGCS["GCS_WGS_1972",DATUM["D_WGS_1972",SPHEROID["WGS_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-87],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1972 UTM Zone 16S,32316**

```
PROJCS["WGS_1972_UTM_Zone_16S",GEOGCS["GCS_WGS_1972",DATUM["D_WGS_1972",SPHEROID["WGS_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",1000000],PARAMETER["Central_Meridian",-87],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1972 UTM Zone 17N,32217**

```
PROJCS["WGS_1972_UTM_Zone_17N",GEOGCS["GCS_WGS_1972",DATUM["D_WGS_1972",SPHEROID["WGS_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500
```

000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-81],PARAMETER["Scale\_Factor",0.9996],PARAMETER ["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 17S,32317**

PROJCS["WGS\_1972\_UTM\_Zone\_17S",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]], PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500 000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",-81],PARAMETER["Scale\_Factor",0.9996],PARAMETER ["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 18N,32218**

PROJCS["WGS\_1972\_UTM\_Zone\_18N",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]], PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500 000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-75],PARAMETER["Scale\_Factor",0.9996],PARAMETER ["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 18S,32318**

PROJCS["WGS\_1972\_UTM\_Zone\_18S",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]], PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500 000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",-75],PARAMETER["Scale\_Factor",0.9996],PARAMETER ["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 19N,32219**

PROJCS["WGS\_1972\_UTM\_Zone\_19N",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]], PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500 000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-69],PARAMETER["Scale\_Factor",0.9996],PARAMETER ["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 19S,32319**

PROJCS["WGS\_1972\_UTM\_Zone\_19S",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]], PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500 000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",-69],PARAMETER["Scale\_Factor",0.9996], PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 1N,32201**

PROJCS["WGS\_1972\_UTM\_Zone\_1N",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]], PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500 000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-177],PARAMETER["Scale\_Factor",0.9996],PARAMETER ["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 1S,32301**

PROJCS["WGS\_1972\_UTM\_Zone\_1S",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]], PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500 000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",-177],PARAMETER["Scale\_Factor",0.9996],PARAMETER ["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 20N,32220**

PROJCS["WGS\_1972\_UTM\_Zone\_20N",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]], PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500 000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-63],PARAMETER["Scale\_Factor",0.9996],PARAMETER ["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 20S,32320**

PROJCS["WGS\_1972\_UTM\_Zone\_20S",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]], PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500 000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",-63],PARAMETER["Scale\_Factor",0.9996],PARAMETER ["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 21N,32221**

PROJCS["WGS\_1972\_UTM\_Zone\_21N",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]], PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500 000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-57],PARAMETER["Scale\_Factor",0.9996],PARAMETER ["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 21S,32321**

```
PROJCS["WGS_1972_UTM_Zone_21S",GEOGCS["GCS_WGS_1972",DATUM["D_WGS_1972",SPHEROID["WGS_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",10000000],PARAMETER["Central_Meridian",-57],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1972 UTM Zone 22N,32222**

```
PROJCS["WGS_1972_UTM_Zone_22N",GEOGCS["GCS_WGS_1972",DATUM["D_WGS_1972",SPHEROID["WGS_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-51],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1972 UTM Zone 22S,32322**

```
PROJCS["WGS_1972_UTM_Zone_22S",GEOGCS["GCS_WGS_1972",DATUM["D_WGS_1972",SPHEROID["WGS_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",10000000],PARAMETER["Central_Meridian",-51],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1972 UTM Zone 23N,32223**

```
PROJCS["WGS_1972_UTM_Zone_23N",GEOGCS["GCS_WGS_1972",DATUM["D_WGS_1972",SPHEROID["WGS_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-45],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1972 UTM Zone 23S,32323**

```
PROJCS["WGS_1972_UTM_Zone_23S",GEOGCS["GCS_WGS_1972",DATUM["D_WGS_1972",SPHEROID["WGS_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",10000000],PARAMETER["Central_Meridian",-45],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1972 UTM Zone 24N,32224**

```
PROJCS["WGS_1972_UTM_Zone_24N",GEOGCS["GCS_WGS_1972",DATUM["D_WGS_1972",SPHEROID["WGS_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-39],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1972 UTM Zone 24S,32324**

```
PROJCS["WGS_1972_UTM_Zone_24S",GEOGCS["GCS_WGS_1972",DATUM["D_WGS_1972",SPHEROID["WGS_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",10000000],PARAMETER["Central_Meridian",-39],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1972 UTM Zone 25N,32225**

```
PROJCS["WGS_1972_UTM_Zone_25N",GEOGCS["GCS_WGS_1972",DATUM["D_WGS_1972",SPHEROID["WGS_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-33],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1972 UTM Zone 25S,32325**

```
PROJCS["WGS_1972_UTM_Zone_25S",GEOGCS["GCS_WGS_1972",DATUM["D_WGS_1972",SPHEROID["WGS_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",10000000],PARAMETER["Central_Meridian",-33],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1972 UTM Zone 26N,32226**

```
PROJCS["WGS_1972_UTM_Zone_26N",GEOGCS["GCS_WGS_1972",DATUM["D_WGS_1972",SPHEROID["WGS_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-27],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1972 UTM Zone 26S,32326**

```
PROJCS["WGS_1972_UTM_Zone_26S",GEOGCS["GCS_WGS_1972",DATUM["D_WGS_1972",SPHEROID["WGS_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500
```

000],PARAMETER["False\_Northing",10000000],PARAMETER["Central\_Meridian",-27],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 27N,32227**

PROJCS["WGS\_1972\_UTM\_Zone\_27N",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-21],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 27S,32327**

PROJCS["WGS\_1972\_UTM\_Zone\_27S",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",10000000],PARAMETER["Central\_Meridian",-21],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 28N,32228**

PROJCS["WGS\_1972\_UTM\_Zone\_28N",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-15],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 28S,32328**

PROJCS["WGS\_1972\_UTM\_Zone\_28S",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",10000000],PARAMETER["Central\_Meridian",-15],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 29N,32229**

PROJCS["WGS\_1972\_UTM\_Zone\_29N",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-9],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 29S,32329**

PROJCS["WGS\_1972\_UTM\_Zone\_29S",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",10000000],PARAMETER["Central\_Meridian",-9],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 2N,32202**

PROJCS["WGS\_1972\_UTM\_Zone\_2N",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-171],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 2S,32302**

PROJCS["WGS\_1972\_UTM\_Zone\_2S",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",10000000],PARAMETER["Central\_Meridian",-171],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 30N,32230**

PROJCS["WGS\_1972\_UTM\_Zone\_30N",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-3],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 30S,32330**

PROJCS["WGS\_1972\_UTM\_Zone\_30S",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",10000000],PARAMETER["Central\_Meridian",-3],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 31N,32231**

PROJCS["WGS\_1972\_UTM\_Zone\_31N",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",3],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 31S,32331**

PROJCS["WGS\_1972\_UTM\_Zone\_31S",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",3],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 32N,32232**

PROJCS["WGS\_1972\_UTM\_Zone\_32N",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",9],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 32S,32332**

PROJCS["WGS\_1972\_UTM\_Zone\_32S",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",9],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 33N,32233**

PROJCS["WGS\_1972\_UTM\_Zone\_33N",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",15],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 33S,32333**

PROJCS["WGS\_1972\_UTM\_Zone\_33S",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",15],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 34N,32234**

PROJCS["WGS\_1972\_UTM\_Zone\_34N",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",21],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 34S,32334**

PROJCS["WGS\_1972\_UTM\_Zone\_34S",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",21],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 35N,32235**

PROJCS["WGS\_1972\_UTM\_Zone\_35N",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",27],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 35S,32335**

PROJCS["WGS\_1972\_UTM\_Zone\_35S",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",27],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 36N,32236**

PROJCS["WGS\_1972\_UTM\_Zone\_36N",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500

000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",33],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 36S,32336**

PROJCS["WGS\_1972\_UTM\_Zone\_36S",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",33],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 37N,32237**

PROJCS["WGS\_1972\_UTM\_Zone\_37N",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",39],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 37S,32337**

PROJCS["WGS\_1972\_UTM\_Zone\_37S",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",39],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 38N,32238**

PROJCS["WGS\_1972\_UTM\_Zone\_38N",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",45],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 38S,32338**

PROJCS["WGS\_1972\_UTM\_Zone\_38S",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",45],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 39N,32239**

PROJCS["WGS\_1972\_UTM\_Zone\_39N",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",51],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 39S,32339**

PROJCS["WGS\_1972\_UTM\_Zone\_39S",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",51],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 3N,32203**

PROJCS["WGS\_1972\_UTM\_Zone\_3N",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-165],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 3S,32303**

PROJCS["WGS\_1972\_UTM\_Zone\_3S",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",-165],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 40N,32240**

PROJCS["WGS\_1972\_UTM\_Zone\_40N",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",57],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 40S,32340**

PROJCS["WGS\_1972\_UTM\_Zone\_40S",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",10000000],PARAMETER["Central\_Meridian",57],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 41N,32241**

PROJCS["WGS\_1972\_UTM\_Zone\_41N",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",63],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 41S,32341**

PROJCS["WGS\_1972\_UTM\_Zone\_41S",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",10000000],PARAMETER["Central\_Meridian",63],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 42N,32242**

PROJCS["WGS\_1972\_UTM\_Zone\_42N",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",69],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 42S,32342**

PROJCS["WGS\_1972\_UTM\_Zone\_42S",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",10000000],PARAMETER["Central\_Meridian",69],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 43N,32243**

PROJCS["WGS\_1972\_UTM\_Zone\_43N",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",75],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 43S,32343**

PROJCS["WGS\_1972\_UTM\_Zone\_43S",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",10000000],PARAMETER["Central\_Meridian",75],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 44N,32244**

PROJCS["WGS\_1972\_UTM\_Zone\_44N",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",81],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 44S,32344**

PROJCS["WGS\_1972\_UTM\_Zone\_44S",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",10000000],PARAMETER["Central\_Meridian",81],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 45N,32245**

PROJCS["WGS\_1972\_UTM\_Zone\_45N",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",87],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 45S,32345**

PROJCS["WGS\_1972\_UTM\_Zone\_45S",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",10000000],PARAMETER["Central\_Meridian",87],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 46N,32246**

PROJCS["WGS\_1972\_UTM\_Zone\_46N",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",93],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 46S,32346**

PROJCS["WGS\_1972\_UTM\_Zone\_46S",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",93],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 47N,32247**

PROJCS["WGS\_1972\_UTM\_Zone\_47N",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",99],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 47S,32347**

PROJCS["WGS\_1972\_UTM\_Zone\_47S",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",99],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 48N,32248**

PROJCS["WGS\_1972\_UTM\_Zone\_48N",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",105],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 48S,32348**

PROJCS["WGS\_1972\_UTM\_Zone\_48S",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",105],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 49N,32249**

PROJCS["WGS\_1972\_UTM\_Zone\_49N",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",111],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 49S,32349**

PROJCS["WGS\_1972\_UTM\_Zone\_49S",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",111],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 4N,32204**

PROJCS["WGS\_1972\_UTM\_Zone\_4N",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-159],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 4S,32304**

PROJCS["WGS\_1972\_UTM\_Zone\_4S",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",-159],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 50N,32250**

PROJCS["WGS\_1972\_UTM\_Zone\_50N",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500

000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",117],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 50S,32350**

PROJCS["WGS\_1972\_UTM\_Zone\_50S",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",117],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 51N,32251**

PROJCS["WGS\_1972\_UTM\_Zone\_51N",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",123],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 51S,32351**

PROJCS["WGS\_1972\_UTM\_Zone\_51S",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",123],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 52N,32252**

PROJCS["WGS\_1972\_UTM\_Zone\_52N",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",129],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 52S,32352**

PROJCS["WGS\_1972\_UTM\_Zone\_52S",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",129],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 53N,32253**

PROJCS["WGS\_1972\_UTM\_Zone\_53N",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",135],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 53S,32353**

PROJCS["WGS\_1972\_UTM\_Zone\_53S",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",135],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 54N,32254**

PROJCS["WGS\_1972\_UTM\_Zone\_54N",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",141],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 54S,32354**

PROJCS["WGS\_1972\_UTM\_Zone\_54S",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",141],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 55N,32255**

PROJCS["WGS\_1972\_UTM\_Zone\_55N",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",147],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 55S,32355**

```
PROJCS["WGS_1972_UTM_Zone_55S",GEOGCS["GCS_WGS_1972",DATUM["D_WGS_1972",SPHEROID["WGS_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",10000000],PARAMETER["Central_Meridian",147],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1972 UTM Zone 56N,32256**

```
PROJCS["WGS_1972_UTM_Zone_56N",GEOGCS["GCS_WGS_1972",DATUM["D_WGS_1972",SPHEROID["WGS_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",153],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1972 UTM Zone 56S,32356**

```
PROJCS["WGS_1972_UTM_Zone_56S",GEOGCS["GCS_WGS_1972",DATUM["D_WGS_1972",SPHEROID["WGS_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",10000000],PARAMETER["Central_Meridian",153],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1972 UTM Zone 57N,32257**

```
PROJCS["WGS_1972_UTM_Zone_57N",GEOGCS["GCS_WGS_1972",DATUM["D_WGS_1972",SPHEROID["WGS_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",159],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1972 UTM Zone 57S,32357**

```
PROJCS["WGS_1972_UTM_Zone_57S",GEOGCS["GCS_WGS_1972",DATUM["D_WGS_1972",SPHEROID["WGS_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",10000000],PARAMETER["Central_Meridian",159],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1972 UTM Zone 58N,32258**

```
PROJCS["WGS_1972_UTM_Zone_58N",GEOGCS["GCS_WGS_1972",DATUM["D_WGS_1972",SPHEROID["WGS_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",165],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1972 UTM Zone 58S,32358**

```
PROJCS["WGS_1972_UTM_Zone_58S",GEOGCS["GCS_WGS_1972",DATUM["D_WGS_1972",SPHEROID["WGS_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",10000000],PARAMETER["Central_Meridian",165],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1972 UTM Zone 59N,32259**

```
PROJCS["WGS_1972_UTM_Zone_59N",GEOGCS["GCS_WGS_1972",DATUM["D_WGS_1972",SPHEROID["WGS_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",171],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1972 UTM Zone 59S,32359**

```
PROJCS["WGS_1972_UTM_Zone_59S",GEOGCS["GCS_WGS_1972",DATUM["D_WGS_1972",SPHEROID["WGS_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",10000000],PARAMETER["Central_Meridian",171],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1972 UTM Zone 5N,32205**

```
PROJCS["WGS_1972_UTM_Zone_5N",GEOGCS["GCS_WGS_1972",DATUM["D_WGS_1972",SPHEROID["WGS_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-153],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1972 UTM Zone 5S,32305**

```
PROJCS["WGS_1972_UTM_Zone_5S",GEOGCS["GCS_WGS_1972",DATUM["D_WGS_1972",SPHEROID["WGS_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500
```

000],PARAMETER["False\_Northing",10000000],PARAMETER["Central\_Meridian",-153],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 60N,32260**

PROJCS["WGS\_1972\_UTM\_Zone\_60N",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",177],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 60S,32360**

PROJCS["WGS\_1972\_UTM\_Zone\_60S",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",10000000],PARAMETER["Central\_Meridian",177],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 6N,32206**

PROJCS["WGS\_1972\_UTM\_Zone\_6N",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-147],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 6S,32306**

PROJCS["WGS\_1972\_UTM\_Zone\_6S",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",10000000],PARAMETER["Central\_Meridian",-147],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 7N,32207**

PROJCS["WGS\_1972\_UTM\_Zone\_7N",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-141],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 7S,32307**

PROJCS["WGS\_1972\_UTM\_Zone\_7S",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",10000000],PARAMETER["Central\_Meridian",-141],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 8N,32208**

PROJCS["WGS\_1972\_UTM\_Zone\_8N",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-135],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 8S,32308**

PROJCS["WGS\_1972\_UTM\_Zone\_8S",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",10000000],PARAMETER["Central\_Meridian",-135],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 9N,32209**

PROJCS["WGS\_1972\_UTM\_Zone\_9N",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-129],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1972 UTM Zone 9S,32309**

PROJCS["WGS\_1972\_UTM\_Zone\_9S",GEOGCS["GCS\_WGS\_1972",DATUM["D\_WGS\_1972",SPHEROID["WGS\_1972",6378135,298.26]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",10000000],PARAMETER["Central\_Meridian",-129],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 TM 36 SE,32766**

```
PROJCS["WGS_1984_TM_36_SE",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",1000000],PARAMETER["Central_Meridian",36],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1984 UTM Zone 10N,32610**

```
PROJCS["WGS_1984_UTM_Zone_10N",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-123],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1984 UTM Zone 10S,32710**

```
PROJCS["WGS_1984_UTM_Zone_10S",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",1000000],PARAMETER["Central_Meridian",-123],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1984 UTM Zone 11N,32611**

```
PROJCS["WGS_1984_UTM_Zone_11N",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-117],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1984 UTM Zone 11S,32711**

```
PROJCS["WGS_1984_UTM_Zone_11S",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",1000000],PARAMETER["Central_Meridian",-117],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1984 UTM Zone 12N,32612**

```
PROJCS["WGS_1984_UTM_Zone_12N",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-111],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1984 UTM Zone 12S,32712**

```
PROJCS["WGS_1984_UTM_Zone_12S",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",1000000],PARAMETER["Central_Meridian",-111],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1984 UTM Zone 13N,32613**

```
PROJCS["WGS_1984_UTM_Zone_13N",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-105],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1984 UTM Zone 13S,32713**

```
PROJCS["WGS_1984_UTM_Zone_13S",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",1000000],PARAMETER["Central_Meridian",-105],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1984 UTM Zone 14N,32614**

```
PROJCS["WGS_1984_UTM_Zone_14N",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-99],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1984 UTM Zone 14S,32714**

```
PROJCS["WGS_1984_UTM_Zone_14S",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",1000000],PARAMETER["Central_Meridian",-99],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

ting",500000],PARAMETER["False\_Northing",10000000],PARAMETER["Central\_Meridian",-99],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 15N,32615**

PROJCS["WGS\_1984\_UTM\_Zone\_15N",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-93],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 15S,32715**

PROJCS["WGS\_1984\_UTM\_Zone\_15S",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",10000000],PARAMETER["Central\_Meridian",-93],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 16N,32616**

PROJCS["WGS\_1984\_UTM\_Zone\_16N",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-87],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 16S,32716**

PROJCS["WGS\_1984\_UTM\_Zone\_16S",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",10000000],PARAMETER["Central\_Meridian",-87],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 17N,32617**

PROJCS["WGS\_1984\_UTM\_Zone\_17N",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-81],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 17S,32717**

PROJCS["WGS\_1984\_UTM\_Zone\_17S",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",10000000],PARAMETER["Central\_Meridian",-81],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 18N,32618**

PROJCS["WGS\_1984\_UTM\_Zone\_18N",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-75],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 18S,32718**

PROJCS["WGS\_1984\_UTM\_Zone\_18S",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",10000000],PARAMETER["Central\_Meridian",-75],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 19N,32619**

PROJCS["WGS\_1984\_UTM\_Zone\_19N",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-69],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 19S,32719**

PROJCS["WGS\_1984\_UTM\_Zone\_19S",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",10000000],PARAMETER["Central\_Meridian",-69],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 1N,32601**

PROJCS["WGS\_1984\_UTM\_Zone\_1N",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-177],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 1S,32701**

PROJCS["WGS\_1984\_UTM\_Zone\_1S",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",-177],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 20N,32620**

PROJCS["WGS\_1984\_UTM\_Zone\_20N",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-63],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 20S,32720**

PROJCS["WGS\_1984\_UTM\_Zone\_20S",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",-63],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 21N,32621**

PROJCS["WGS\_1984\_UTM\_Zone\_21N",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-57],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 21S,32721**

PROJCS["WGS\_1984\_UTM\_Zone\_21S",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",-57],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 22N,32622**

PROJCS["WGS\_1984\_UTM\_Zone\_22N",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-51],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 22S,32722**

PROJCS["WGS\_1984\_UTM\_Zone\_22S",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",-51],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 23N,32623**

PROJCS["WGS\_1984\_UTM\_Zone\_23N",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-45],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 23S,32723**

PROJCS["WGS\_1984\_UTM\_Zone\_23S",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",-45],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 24N,32624**

PROJCS["WGS\_1984\_UTM\_Zone\_24N",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Eas

ting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-39],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 24S,32724**

PROJCS["WGS\_1984\_UTM\_Zone\_24S",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",-39],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 25N,32625**

PROJCS["WGS\_1984\_UTM\_Zone\_25N",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-33],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 25S,32725**

PROJCS["WGS\_1984\_UTM\_Zone\_25S",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",-33],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 26N,32626**

PROJCS["WGS\_1984\_UTM\_Zone\_26N",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-27],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 26S,32726**

PROJCS["WGS\_1984\_UTM\_Zone\_26S",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",-27],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 27N,32627**

PROJCS["WGS\_1984\_UTM\_Zone\_27N",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-21],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 27S,32727**

PROJCS["WGS\_1984\_UTM\_Zone\_27S",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",-21],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 28N,32628**

PROJCS["WGS\_1984\_UTM\_Zone\_28N",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-15],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 28S,32728**

PROJCS["WGS\_1984\_UTM\_Zone\_28S",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",-15],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 29N,32629**

PROJCS["WGS\_1984\_UTM\_Zone\_29N",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-9],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 29S,32729**

```
PROJCS["WGS_1984_UTM_Zone_29S",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",1000000],PARAMETER["Central_Meridian",-9],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1984 UTM Zone 2N,32602**

```
PROJCS["WGS_1984_UTM_Zone_2N",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-171],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1984 UTM Zone 2S,32702**

```
PROJCS["WGS_1984_UTM_Zone_2S",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",1000000],PARAMETER["Central_Meridian",-171],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1984 UTM Zone 30N,32630**

```
PROJCS["WGS_1984_UTM_Zone_30N",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-3],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1984 UTM Zone 30S,32730**

```
PROJCS["WGS_1984_UTM_Zone_30S",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",1000000],PARAMETER["Central_Meridian",-3],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1984 UTM Zone 31N,32631**

```
PROJCS["WGS_1984_UTM_Zone_31N",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",3],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1984 UTM Zone 31S,32731**

```
PROJCS["WGS_1984_UTM_Zone_31S",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",1000000],PARAMETER["Central_Meridian",3],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1984 UTM Zone 32N,32632**

```
PROJCS["WGS_1984_UTM_Zone_32N",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",9],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1984 UTM Zone 32S,32732**

```
PROJCS["WGS_1984_UTM_Zone_32S",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",1000000],PARAMETER["Central_Meridian",9],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1984 UTM Zone 33N,32633**

```
PROJCS["WGS_1984_UTM_Zone_33N",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",15],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1984 UTM Zone 33S,32733**

```
PROJCS["WGS_1984_UTM_Zone_33S",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",1000000],PARAMETER["Central_Meridian",15],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

ting",500000],PARAMETER["False\_Northing",10000000],PARAMETER["Central\_Meridian",15],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 34N,32634**

PROJCS["WGS\_1984\_UTM\_Zone\_34N",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",21],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 34S,32734**

PROJCS["WGS\_1984\_UTM\_Zone\_34S",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",10000000],PARAMETER["Central\_Meridian",21],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 35N,32635**

PROJCS["WGS\_1984\_UTM\_Zone\_35N",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",27],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 35S,32735**

PROJCS["WGS\_1984\_UTM\_Zone\_35S",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",10000000],PARAMETER["Central\_Meridian",27],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 36N,32636**

PROJCS["WGS\_1984\_UTM\_Zone\_36N",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",33],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 36S,32736**

PROJCS["WGS\_1984\_UTM\_Zone\_36S",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",10000000],PARAMETER["Central\_Meridian",33],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 37N,32637**

PROJCS["WGS\_1984\_UTM\_Zone\_37N",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",39],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 37S,32737**

PROJCS["WGS\_1984\_UTM\_Zone\_37S",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",10000000],PARAMETER["Central\_Meridian",39],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 38N,32638**

PROJCS["WGS\_1984\_UTM\_Zone\_38N",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",45],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 38S,32738**

PROJCS["WGS\_1984\_UTM\_Zone\_38S",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",10000000],PARAMETER["Central\_Meridian",45],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 39N,32639**

```
PROJCS["WGS_1984_UTM_Zone_39N",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",51],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1984 UTM Zone 39S,32739**

```
PROJCS["WGS_1984_UTM_Zone_39S",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",1000000],PARAMETER["Central_Meridian",51],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1984 UTM Zone 3N,32603**

```
PROJCS["WGS_1984_UTM_Zone_3N",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-165],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1984 UTM Zone 3S,32703**

```
PROJCS["WGS_1984_UTM_Zone_3S",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",1000000],PARAMETER["Central_Meridian",-165],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1984 UTM Zone 40N,32640**

```
PROJCS["WGS_1984_UTM_Zone_40N",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",57],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1984 UTM Zone 40S,32740**

```
PROJCS["WGS_1984_UTM_Zone_40S",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",1000000],PARAMETER["Central_Meridian",57],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1984 UTM Zone 41N,32641**

```
PROJCS["WGS_1984_UTM_Zone_41N",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",63],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1984 UTM Zone 41S,32741**

```
PROJCS["WGS_1984_UTM_Zone_41S",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",1000000],PARAMETER["Central_Meridian",63],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1984 UTM Zone 42N,32642**

```
PROJCS["WGS_1984_UTM_Zone_42N",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",69],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1984 UTM Zone 42S,32742**

```
PROJCS["WGS_1984_UTM_Zone_42S",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",1000000],PARAMETER["Central_Meridian",69],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1984 UTM Zone 43N,32643**

```
PROJCS["WGS_1984_UTM_Zone_43N",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",75],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

ting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",75],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 43S,32743**

PROJCS["WGS\_1984\_UTM\_Zone\_43S",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",75],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 44N,32644**

PROJCS["WGS\_1984\_UTM\_Zone\_44N",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",81],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 44S,32744**

PROJCS["WGS\_1984\_UTM\_Zone\_44S",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",81],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 45N,32645**

PROJCS["WGS\_1984\_UTM\_Zone\_45N",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",87],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 45S,32745**

PROJCS["WGS\_1984\_UTM\_Zone\_45S",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",87],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 46N,32646**

PROJCS["WGS\_1984\_UTM\_Zone\_46N",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",93],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 46S,32746**

PROJCS["WGS\_1984\_UTM\_Zone\_46S",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",93],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 47N,32647**

PROJCS["WGS\_1984\_UTM\_Zone\_47N",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",99],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 47S,32747**

PROJCS["WGS\_1984\_UTM\_Zone\_47S",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",99],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 48N,32648**

PROJCS["WGS\_1984\_UTM\_Zone\_48N",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",105],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 48S,32748**

```
PROJCS["WGS_1984_UTM_Zone_48S",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",1000000],PARAMETER["Central_Meridian",105],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1984 UTM Zone 49N,32649**

```
PROJCS["WGS_1984_UTM_Zone_49N",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",111],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1984 UTM Zone 49S,32749**

```
PROJCS["WGS_1984_UTM_Zone_49S",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",1000000],PARAMETER["Central_Meridian",111],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1984 UTM Zone 4N,32604**

```
PROJCS["WGS_1984_UTM_Zone_4N",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-159],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1984 UTM Zone 4S,32704**

```
PROJCS["WGS_1984_UTM_Zone_4S",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",1000000],PARAMETER["Central_Meridian",-159],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1984 UTM Zone 50N,32650**

```
PROJCS["WGS_1984_UTM_Zone_50N",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",117],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1984 UTM Zone 50S,32750**

```
PROJCS["WGS_1984_UTM_Zone_50S",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",1000000],PARAMETER["Central_Meridian",117],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1984 UTM Zone 51N,32651**

```
PROJCS["WGS_1984_UTM_Zone_51N",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",123],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1984 UTM Zone 51S,32751**

```
PROJCS["WGS_1984_UTM_Zone_51S",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",1000000],PARAMETER["Central_Meridian",123],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1984 UTM Zone 52N,32652**

```
PROJCS["WGS_1984_UTM_Zone_52N",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",129],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1984 UTM Zone 52S,32752**

```
PROJCS["WGS_1984_UTM_Zone_52S",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",1000000],PARAMETER["Central_Meridian",129],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

ting",500000],PARAMETER["False\_Northing",10000000],PARAMETER["Central\_Meridian",129],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 53N,32653**

PROJCS["WGS\_1984\_UTM\_Zone\_53N",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",135],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 53S,32753**

PROJCS["WGS\_1984\_UTM\_Zone\_53S",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",10000000],PARAMETER["Central\_Meridian",135],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 54N,32654**

PROJCS["WGS\_1984\_UTM\_Zone\_54N",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",141],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 54S,32754**

PROJCS["WGS\_1984\_UTM\_Zone\_54S",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",10000000],PARAMETER["Central\_Meridian",141],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 55N,32655**

PROJCS["WGS\_1984\_UTM\_Zone\_55N",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",147],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 55S,32755**

PROJCS["WGS\_1984\_UTM\_Zone\_55S",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",10000000],PARAMETER["Central\_Meridian",147],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 56N,32656**

PROJCS["WGS\_1984\_UTM\_Zone\_56N",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",153],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 56S,32756**

PROJCS["WGS\_1984\_UTM\_Zone\_56S",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",10000000],PARAMETER["Central\_Meridian",153],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 57N,32657**

PROJCS["WGS\_1984\_UTM\_Zone\_57N",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",159],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 57S,32757**

PROJCS["WGS\_1984\_UTM\_Zone\_57S",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",10000000],PARAMETER["Central\_Meridian",159],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 58N,32658**

```
PROJCS["WGS_1984_UTM_Zone_58N",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",165],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1984 UTM Zone 58S,32758**

```
PROJCS["WGS_1984_UTM_Zone_58S",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",1000000],PARAMETER["Central_Meridian",165],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1984 UTM Zone 59N,32659**

```
PROJCS["WGS_1984_UTM_Zone_59N",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",171],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1984 UTM Zone 59S,32759**

```
PROJCS["WGS_1984_UTM_Zone_59S",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",1000000],PARAMETER["Central_Meridian",171],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1984 UTM Zone 5N,32605**

```
PROJCS["WGS_1984_UTM_Zone_5N",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-153],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1984 UTM Zone 5S,32705**

```
PROJCS["WGS_1984_UTM_Zone_5S",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",1000000],PARAMETER["Central_Meridian",-153],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1984 UTM Zone 60N,32660**

```
PROJCS["WGS_1984_UTM_Zone_60N",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",177],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1984 UTM Zone 60S,32760**

```
PROJCS["WGS_1984_UTM_Zone_60S",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",1000000],PARAMETER["Central_Meridian",177],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1984 UTM Zone 6N,32606**

```
PROJCS["WGS_1984_UTM_Zone_6N",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-147],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1984 UTM Zone 6S,32706**

```
PROJCS["WGS_1984_UTM_Zone_6S",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",1000000],PARAMETER["Central_Meridian",-147],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**WGS 1984 UTM Zone 7N,32607**

```
PROJCS["WGS_1984_UTM_Zone_7N",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",165],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

ng",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-141],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 7S,32707**

PROJCS["WGS\_1984\_UTM\_Zone\_7S",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",-141],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 8N,32608**

PROJCS["WGS\_1984\_UTM\_Zone\_8N",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-135],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 8S,32708**

PROJCS["WGS\_1984\_UTM\_Zone\_8S",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",-135],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 9N,32609**

PROJCS["WGS\_1984\_UTM\_Zone\_9N",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",-129],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**WGS 1984 UTM Zone 9S,32709**

PROJCS["WGS\_1984\_UTM\_Zone\_9S",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000],PARAMETER["False\_Northing",1000000],PARAMETER["Central\_Meridian",-129],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**World Azimuthal Equidistant,54032**

PROJCS["World\_Azimuthal\_Equidistant",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Azimuthal\_Equidistant"],PARAMETER["False\_Easting",0],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",0],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**World Behrmann,54017**

PROJCS["World\_Behrmann",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Behrmann"],PARAMETER["False\_Easting",0],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",0],UNIT["Meter",1]]

**World Bonne,54024**

PROJCS["World\_Bonne",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Bonne"],PARAMETER["False\_Easting",0],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",0],PARAMETER["Standard\_Parallel\_1",60],UNIT["Meter",1]]

**World Cassini,54028**

PROJCS["World\_Cassini",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Cassini"],PARAMETER["False\_Easting",0],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",0],PARAMETER["Scale\_Factor",1],PARAMETER["Latitude\_Of\_Origin",0],UNIT["Meter",1]]

**World Eckert I,54015**

PROJCS["World\_Eckert\_I",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Eckert\_I"],PARAMETER["False\_Easting",0],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",0],UNIT["Meter",1]]

**World Eckert II,54014**

PROJCS["World\_Eckert\_II",GEOGCS["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID["WGS\_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Eckert\_II"],PARAMETER["False\_Easting",0],PARAMETER["False\_Northing",0],PARAMETER["Central\_Meridian",0],UNIT["Meter",1]]

**World Eckert III,54013**

```
PROJCS["World_Eckert_III",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Eckert_III"],PARAMETER["False_Easting",0],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",0],UNIT["Meter",1]]
```

**World Eckert IV,54012**

```
PROJCS["World_Eckert_IV",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Eckert_IV"],PARAMETER["False_Easting",0],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",0],UNIT["Meter",1]]
```

**World Eckert V,54011**

```
PROJCS["World_Eckert_V",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Eckert_V"],PARAMETER["False_Easting",0],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",0],UNIT["Meter",1]]
```

**World Eckert VI,54010**

```
PROJCS["World_Eckert_VI",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Eckert_VI"],PARAMETER["False_Easting",0],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",0],UNIT["Meter",1]]
```

**World Equidistant Conic,54027**

```
PROJCS["World_Equidistant_Conic",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Equidistant_Conic"],PARAMETER["False_Easting",0],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",0],PARAMETER["Standard_Parallel_1",60],PARAMETER["Standard_Parallel_2",60],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**World Equidistant Cylindrical,54002**

```
PROJCS["World_Equidistant_Cylindrical",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Equidistant_Cylindrical"],PARAMETER["False_Easting",0],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",0],PARAMETER["Standard_Parallel_1",60],UNIT["Meter",1]]
```

**World Gall Stereographic,54016**

```
PROJCS["World_Gall_Stereographic",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Gall_Stereographic"],PARAMETER["False_Easting",0],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",0],UNIT["Meter",1]]
```

**World Hotine,54025**

```
PROJCS["World_Hotine",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Hotine_Oblique_Mercator_Two_Point_Natural_Origin"],PARAMETER["False_Easting",0],PARAMETER["False_Northing",0],PARAMETER["Latitude_Of_1st_Point",0],PARAMETER["Latitude_Of_2nd_Point",60],PARAMETER["Scale_Factor",1],PARAMETER["Longitude_Of_1st_Point",0],PARAMETER["Longitude_Of_2nd_Point",60],PARAMETER["Latitude_Of_Center",40],UNIT["Meter",1]]
```

**World Loximuthal,54023**

```
PROJCS["World_Loximuthal",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Loximuthal"],PARAMETER["False_Easting",0],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",0],PARAMETER["Central_Parallel",40],UNIT["Meter",1]]
```

**World Mercator,54004**

```
PROJCS["World_Mercator",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Mercator"],PARAMETER["False_Easting",0],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",0],PARAMETER["Standard_Parallel_1",0],UNIT["Meter",1]]
```

**World Miller Cylindrical,54003**

```
PROJCS["World_Miller_Cylindrical",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Miller_Cylindrical"],PARAMETER["False_Easting",0],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",0],UNIT["Meter",1]]
```

**World Mollweide,54009**

```
PROJCS["World_Mollweide",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Mollweide"],PARAMETER["False_Easting",0],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",0],UNIT["Meter",1]]
```

**World Plate Carree,54001**

```
PROJCS["World_Plate_Carree",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Plate_Carree"],PARAMETER["False_Easting",0],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",0],UNIT["Meter",1]]
```

**World Polyconic,54021**

```
PROJCS["World_Polyconic",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Polyconic"],PARAMETER["False_Easting",0],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",0],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**World Quartic Authalic,54022**

```
PROJCS["World_Quartic_Authalic",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Quartic_Authalic"],PARAMETER["False_Easting",0],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",0],UNIT["Meter",1]]
```

**World Robinson,54030**

```
PROJCS["World_Robinson",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Robinson"],PARAMETER["False_Easting",0],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",0],UNIT["Meter",1]]
```

**World Sinusoidal,54008**

```
PROJCS["World_Sinusoidal",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Sinusoidal"],PARAMETER["False_Easting",0],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",0],UNIT["Meter",1]]
```

**World Stereographic,54026**

```
PROJCS["World_Stereographic",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Stereographic"],PARAMETER["False_Easting",0],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",0],PARAMETER["Scale_Factor",1],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**World Two Point Equidistant,54031**

```
PROJCS["World_Two_Point_Equidistant",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Two_Point_Equidistant"],PARAMETER["False_Easting",0],PARAMETER["False_Northing",0],PARAMETER["Latitude_Of_1st_Point",0],PARAMETER["Latitude_Of_2nd_Point",60],PARAMETER["Longitude_Of_1st_Point",0],PARAMETER["Longitude_Of_2nd_Point",60],UNIT["Meter",1]]
```

**World Van der Grinten I,54029**

```
PROJCS["World_Van_der_Grinten_I",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Van_der_Grinten_I"],PARAMETER["False_Easting",0],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",0],UNIT["Meter",1]]
```

**World Winkel I,54018**

```
PROJCS["World_Winkel_I",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Winkel_I"],PARAMETER["False_Easting",0],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",0],PARAMETER["Standard_Parallel_1",50.45977625218981],UNIT["Meter",1]]
```

**World Winkel II,54019**

```
PROJCS["World_Winkel_II",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Winkel_II"],PARAMETER["False_Easting",0],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",0],PARAMETER["Standard_Parallel_1",50.45977625218981],UNIT["Meter",1]]
```

**Yoff 1972 UTM Zone 28N,31028**

```
PROJCS["Yoff_1972_UTM_Zone_28N",GEOGCS["GCS_Yoff",DATUM["D_Yoff",SPHEROID["Clarke_1880_IGN",6378249.2,293.46602]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-15],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```

**Zanderij 1972 UTM Zone 21N,31121**

```
PROJCS["Zanderij_1972_UTM_Zone_21N",GEOGCS["GCS_Zanderij",DATUM["D_Zanderij",SPHEROID["International_1924",6378388,297]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",0],PARAMETER["Central_Meridian",-57],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0],UNIT["Meter",1]]
```